ET-7000/PET-7000 Version History

Last update: 2024-02-20

This document provides a quick historical reference to firmware version, release dates, features, and improvements. Select your module from the list below to see the release notes for it.

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ET-7002/PET-7002

Version	Release	MiniOS7	Function library	
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers	
3.0.0	2018-05-25		Web Server 2.01.x	Ethernet 1.2.9 Modbus 1.7.4
		L5 features to build the web user interface, which d ne unit of timeout of the Host Watchdog timer from	•	•
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2
	 Added support of the Model Improve the Verify the With the setting. If Connection 	roved features: pport for new Flash chip pus TCP port can be specified individually for WAN a he web interface for setting up the Pair-Connection new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:xx: on lifetime odbus TCP connection has been established, it will	ecified with the "Mod x) will be used	
	The same	firmware for both ET-7000 and PET-7000 modules		

ET-7005/PET-7005

/ersion	Release	MiniOS7	Function library			
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers library the firmware			
3.1.1	2023-09-27	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4		
	New and improved features:					
	 User can export all module settings into a file and import full or partial configuration across compatible modules of the same models. The broadcast messages are supported with Modbus UDP. A response message will be returned upo receiving and finishing a broadcast request. A factory reset can be performed when network connection is available on module in INIT mode. When enabling the pair-connection, the digital outputs can be configured to have a predefined state 					
		unication failure.				
	There is n time, it is	time, it is necessary to create a new admin account. • Modbus UDP port number can be changed and differs from 502.				
		e that caused the configuration of Steinhart-Hart co	pefficients to fail wher	n using the web		
3.0.0	2020-09-04	MiniOS7 2.03.004	W 6 2014	Ethernet 1.29		
	Web Server 2.01.1 Modbus 1.7.4					
	 New and improved features: Enable a keep-alive mechanism for the Modbus communication for the detection of active 					
	connectio	ns between a Modbus client and the module. This				
	connection from cons Update: Use HTML Change th Fixed issues:	· · · ·	mechanism prevents oes not require Adobo second to 0.1 second	idle connections e Flash Player. ds.		
	connection from cons Update: Use HTML Change th Fixed issues:	ons between a Modbus client and the module. This suming TCP server resources. 5 features to build the web user interface, which do not unit of timeout of the Host Watchdog timer from the that module does not send DHCP request to rene	mechanism prevents oes not require Adobo second to 0.1 second w its DHCP lease time	idle connections e Flash Player. ds. e before lease tim		
2.0.0	connection from cons Update: Use HTML Change th Fixed issues: Fixed issue	ons between a Modbus client and the module. This suming TCP server resources. 5 features to build the web user interface, which do not unit of timeout of the Host Watchdog timer from the that module does not send DHCP request to rene	oes not require Adobo second to 0.1 second w its DHCP lease time	e Flash Player. ds. e before lease tim Ethernet 1.2.8		
2.0.0	connection from cons Update: Use HTML Change th Fixed issues: Fixed issuehad expire	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which does unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renewed. MiniOS7 2.2.15	mechanism prevents oes not require Adobo second to 0.1 second w its DHCP lease time	idle connections e Flash Player. ds. e before lease tim		
2.0.0	connection from cons Update: Use HTML Change th Fixed issues: Fixed issue had expired 2014-04-24 New and imple Added sup The Model Improve the Update:	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which does unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renewed. MiniOS7 2.2.15 Troved features: Deport for new Flash chip ous TCP port can be specified individually for WAN and the web interface for setting up the Pair-Connection	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8	e Flash Player. ds. e before lease tim Ethernet 1.2.8		
	connection from cons Update: Use HTML Change the Fixed issues: Fixed issue had expired 2014-04-24 New and imple Added sup The Model Improve t Update: The same	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which do not unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renewed. MiniOS7 2.2.15 Toved features: Apport for new Flash chip of the point TCP port can be specified individually for WAN and the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8	e Flash Player. ds. e before lease tim Ethernet 1.2.8		
2.0.0	connection from cons Update: Use HTML Change the Fixed issues: Fixed issue had expired 2014-04-24 New and imple Added sup The Mode Improve to Update: The same 2012-02-21	Ins between a Modbus client and the module. This suming TCP server resources. L5 features to build the web user interface, which do not unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renewed. MiniOS7 2.2.15 Troved features: Deport for new Flash chip pous TCP port can be specified individually for WAN and the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.2.10	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8	e Flash Player. ds. e before lease tim Ethernet 1.2.8		
	connection from cons Update: Use HTML Change the Fixed issues: Fixed issue had expired 2014-04-24 New and important Medical Support of the Model Improve to Update: The same 2012-02-21 New and important Medical Support	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which do not be unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renewed. MiniOS7 2.2.15 Toved features: Deport for new Flash chip ous TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.2.10 Toved features:	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8	e Flash Player. ds. e before lease tim Ethernet 1.2.8		
	connection from cons Update: Use HTML Change the Fixed issues: Fixed issue had expired 2014-04-24 New and important Memory Added sup The Model Improve to Update: The same 2012-02-21 New and important Memory Verify the With the lease setting. If Connection Once a Memory	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which does unit of timeout of the Host Watchdog timer from the ethat module does not send DHCP request to renew the ed. MiniOS7 2.2.15 Troved features: Deport for new Flash chip pous TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.2.10 Troved features: The mew IP address has been changed DHCP enabled, the hostname (option 12) can be specified in the default (icpdas_xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8 and LAN ecified with the "Mod x) will be used be closed after 90 sec	e Flash Player. ds. e before lease tim Ethernet 1.2.8 Modbus 1.7.2		
	connection from cons Update: Use HTML Change the Fixed issues: Fixed issue had expired 2014-04-24 New and important Memory Added sup The Model Improve to Update: The same 2012-02-21 New and important Memory Verify the With the lease setting. If Connection Once a Memory	Ins between a Modbus client and the module. This suming TCP server resources. 25 features to build the web user interface, which do not be unit of timeout of the Host Watchdog timer from the that module does not send DHCP request to renew ed. MiniOS7 2.2.15 TOVED FOR TOP PORT Can be specified individually for WAN as the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.2.10 TOVED FOR TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	oes not require Adobo second to 0.1 second w its DHCP lease time CPU 5.2.5 Web Server 1.2.8 and LAN ecified with the "Mod x) will be used be closed after 90 sec	e Flash Player. ds. e before lease tim Ethernet 1.2.8 Modbus 1.7.2		

Fixed:

• Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser

ET-7015/PET-7015

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers		
3.1.0	2021-06-11		Web Server 2.03.x	Ethernet 1.29 Modbus 1.7.4	
		o default username and password when logging in necessary to create a new admin account.	to the web user inter	face for the first	
	Fixed issu	e that may have caused RTD calibration to fail.			
3.0.0	2018-09-03		Web Server 2.01.x	Ethernet 1.29 Modbus 1.7.4	
	Fixed issues:	L5 features to build the web user interface, which d	·		
	Fixed issu had expire	e that module does not send DHCP request to rene ed.	w its DHCP lease time	e before lease time	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2	
	New and improved features:				
	 Added support for new Flash chip Improve the web interface for setting up the Pair-Connection 				
	Update:				
	The same	firmware for both ET-7000 and PET-7000 modules			
1.1.2	2013-10-24	MiniOS7 2.2.10			
	New and improved features:				
	With the setting. IfConnection Once a MBroadcast	new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x: on lifetime odbus TCP connection has been established, it will as an ARP request on the local network at 30-second ous TCP port can be specified individually for WAN a	x) will be used be closed after 90 sed d intervals		
	Fixed:				
	Fixed the	issue that the offset value cannot be set up correct	ly.		

ET-7016/PET-7016

Version	Release	MiniOS7	Function library			
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers			
3.1.1	2023-09-11	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4		
	New and improved features:					
		export all module settings into a file and import full ple modules of the same models.	l or partial configurati	on across		
	receiving	dcast messages are supported with Modbus UDP. A and finishing a broadcast request. reset can be performed when network connection	_	·		
	Update:					
	Modbus	UDP port number can be changed and differs from 5	502.			
3.1.0	2022-03-30	MiniOS7 2.03.004	Web Server 2.10.3	Ethernet 1.29 Modbus L1.0.3		
	New and imp	proved features:				
		abling the pair-connection, the digital outputs can bunication failure.	e configured to have	a predefined stat		
	Update:					
	Change tThere is t	IL5 features to build the web user interface, which d he unit of timeout of the Host Watchdog timer from no default username and password when logging in s necessary to create a new admin account.	second to 0.1 second	ds.		
	Fixed issues:					
	Fixed issumed had expired to the fixed issued in the fixed in the fixed issued in the fixed in the f	ue that module does not send DHCP request to renered.	w its DHCP lease time	e before lease tim		
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2		
	New and imp	proved features:				
	 Added support for new Flash chip Improve the web interface for setting up the Pair-Connection 					
	Update:					
	The same	e firmware for both ET-7000 and PET-7000 modules				
1.0.2	2013-12-13	MiniOS7 2.2.10				
	New and imp	proved features:				
	The Modbus TCP port can be specified individually for WAN and LAN					
	Update:					
	Provide of excitation	compensation for inaccuracy resulting from floating n voltage	point computations v	vhen setting up th		
1.0.1	2013-10-10	MiniOS7 2.2.10				
	New and imp	proved features:	1			
	 Verify the new IP address has been changed With the DHCP enabled, the hostname (option 12) can be specified with the "Module Information" setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used 					
	This met	otions to specify the IP address and TCP port hod enables the web HMI of internal ET-7000/PET-70 in the Internet	000 can be accessed I	by the remote we		
	Fixed:					
	Fixed the	issue that the Half-Bridge, Quarter-Bridge and Full-	Bridge cannot be set	up correctly		

ET-7017/PET-7017

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which version of function library the firmware is using.		
3.1.1	2023-09-12	MiniOS7 2.03.004	Ethernet 1.29 Web Server 2.10.4 Modbus L1.0.4		
	New and imp	roved features:			
	 compatible The broad receiving A factory Enable a known connection 	export all module settings into a file and import full the modules of the same models. It is modules are supported with Modbus UDP. A least messages are supported with Modbus UDP. A least finishing a broadcast request. It is reset can be performed when network connection the seep-alive mechanism for the Modbus communication in the setween a Modbus client and the module. This leading TCP server resources.	response message will be returned up s available on module in INIT mode. ion for the detection of active		
	Update:				
	Modbus U	JDP port number can be changed and differs from 5	I .		
3.1.0	2022-12-08	MiniOS7 2.03.004	Ethernet 1.29 Web Server 2.10.3 Modbus L1.0.3		
	New and imp	royad faaturas:	Web Server 2.10.5 Wiodbus E1.0.3		
	 New and improved features: When enabling the pair-connection, the digital outputs can be configured to have a predefined state on communication failure. 				
	Update:				
	time, it is	o default username and password when logging in necessary to create a new admin account.	to the web user interface for the first		
	Fixed:	source who readistical output many not be output proposed	why after receiving a write command		
3.0.0		ssue where digital output may not be output prope	Ethernet 1.29		
3.0.0	2019-01-24		Web Server 2.01.x Modbus 1.7.4		
	Change the Fixed:Fixed issued:	.5 features to build the web user interface, which d le unit of timeout of the Host Watchdog timer from e that module does not send DHCP request to rene	second to 0.1 seconds.		
	had expire	ed.	CPU 5.2.5 Ethernet 1.2.8		
2.0.0	2014-04-24	MiniOS7 2.2.15	Web Server 1.2.8 Modbus 1.7.2		
	Added supThe ModbImprove t	roved features: oport for new Flash chip ous TCP port can be specified individually for WAN a he web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules			
1.1.5	2012-09-04	MiniOS7 2.2.10			
1.1.3					
	 Improve t interactive Verify the With the setting. If Connection 	roved features: he method for detecting the connection status between modules in order to avoid being disconnected from new IP address has been changed DHCP enabled, the hostname (option 12) can be spothe setting is not given, the default (icpdas_xx:xx:x) in lifetime odbus TCP connection has been established, it will	m the network ecified with the "Module Information k) will be used		

	Broadcast	s an ARP request on the local netw	ork at 30-second inte	ervals
	Update:			
	Removed the option of setting up the "Router Public IP"			
1.1.1	2011-03-21	MiniOS7 2.2.10		
	New and imp	roved features:		
	Connection lifetime			
	Once a connection has been established, it will be closed after 3 minutes of inactivity			
	Added options to specify the IP address and TCP port			
	This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote we			
	browser in the Internet			
	Added option to change the Modbus TCP port			
	Broadcasts an ARP request on the local network at 3-minute intervals			
	Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect			
	Fixed:			
	Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser			
	An "Invali	d IP Address" error message may b	e displayed in the "N	etwork Settings" configuration pa
	when run	ning the Mozilla Firefox and SeaM	onkey browsers	
	Failed to r	retrieve the account and password	when the account/pa	assword length is exactly equal to

characters

ET-7017-10/PET-7017-10

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers		
3.0.0	2018-08-14		Web Server 2.01.x	Ethernet 1.29 Modbus 1.7.4	
	Fixed issues:	L5 features to build the web user interface, which due that module does not send DHCP request to renewed.	·	·	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	TCP/IP 1.2.8 Modbus 1.7.2	
	• Improve :	bus TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection of the firmware for both ET-7000 and PET-7000 modules			
1.1.1	2011-03-21	MiniOS7 2.2.10			
1.1.1		roved features:			
	 Connection lifetime Once a connection has been established, it will be closed after 3 minutes of inactivity Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet Added options to change the Modbus TCP port Broadcasts an ARP request on the local network at 3-minute intervals Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect Fixed:			•	
	Web HMAn "Inval when rurFailed to character	does not work properly when using either the Mozid IP Address" error message may be displayed in the Ining the Mozilla Firefox and SeaMonkey browsers retrieve the account and password when the accounts set up the analog input type in the single-ended mo	e "Network Settings" nt/password length is	configuration page	

ET-7018Z/PET-7018Z

Version	Release	MiniOS7	Function library				
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers				
3.0.0	2018-09-03		Web Server 2.01.x	Ethernet 1.29 Modbus 1.7.4			
	Change to Fixed issues:	 Use HTML5 features to build the web user interface, which does not require Adobe Flash Player. Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds. Fixed issues: Fixed issue that module does not send DHCP request to renew its DHCP lease time before lease time 					
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU Web Server 1.2.8	TCP/IP 1.2.8 Modbus 1.7.2			
	Added soThe MooImproveUpdate:The sam	proved features: upport for new Flash chip dbus TCP port can be specified individually for WAN a the web interface for setting up the Pair-Connection e firmware for both ET-7000 and PET-7000 modules d the option of setting up the "Router Public IP"					
1.1.1	2011-09-07	MiniOS7 2.2.10					
	 Added o Broadcas Web HIV Web HIV An "Invawhen ru Failed to characte The web Fixed iss 1. Commodel 2. Cannotes 	connection has been established, it will be closed after ptions to change the Modbus TCP port sets an ARP request on the local network at 3-minute III will automatically reconnect to ET-7000/PET-7000 and III does not work properly when using either the Moz lid IP Address" error message may be displayed in the nning the Mozilla Firefox and SeaMonkey browsers a retrieve the account and password when the accounts are pages may fail to properly load all content if the LAI uses regarding the Pair-Connection nunication may fail when receiving an illegal respons of reconnect to remote input device after disconnect us address of remote input device does not accept in	intervals after disconnect filla Firefox or SeaMone "Network Settings" nt/password length is N speed is 10Mbps e from remote input of	nkey browser configuration pag exactly equal to 8			
1.1.0	2010-07-01	MiniOS7 2.2.10					
	 Added of This met in the In Broadcasing Web HM Updatesing Enable to input 	proved features: ptions to specify the IP address and TCP port thod enables the web HMI of ET-7000/PET-7000 can ternet sts an ARP request on the local network at 5-minute II will automatically reconnect to ET-7000/PET-7000 and the alarm function to operate correctly when the input	intervals after disconnect				
	Fixed: • Host WD	DT does not work if the WDT timeout was set to 33 so	econds or more				

1.0.3	2009-09-16	MiniOS7 2.2.10	
	Fixed:		
	Fixed the	issue that the module may fail to read actual temper	erature from the CJC sensor

ET-7019Z/PET-7019Z

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which version of function library the firmware is using.		
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Ethernet 1.2.8 Web Server 1.2.8 Modbus 1.7.2		
	New and imp	roved features:			
	 Added support for new Flash chip Improve the web interface for setting up the Pair-Connection 				
	Update:				
	The same	firmware for both ET-7000 and PET-7000 modules			
1.1.2	2014-02-20	MiniOS7 2.2.10			
	 Verify the With the setting. If Connection Once a M (With the Broadcast (With the The Mode Fixed: Fixed the 	new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:xx on lifetime odbus TCP connection has been established, it will version 1.0.0, the connection was closed after 180 s an ARP request to the gateway at 30-second inter version 1.0.0, the ARP requests were broadcasted a ous TCP port can be specified individually for WAN a issue that the Open Wire Detection does not correspondence in the content of the correspondence in th	x) will be used be closed after 90 seconds of inactivity seconds) vals at 180-second intervals) and LAN		
1.0.0	2011-09-05	MiniOS7 2.2.10			
	First Release				

ET-7026/PET-7026

Version	Release	MiniOS7	Function library			
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers library the firmware			
3.1.1	2023-10-12	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4		
	New and improved features:					
	compatibThe broad receivingA factoryEnable a l	compatible modules of the same models.				
	Update:					
	There is n time, it is	o default username and password when logging in necessary to create a new admin account. JDP port number can be changed and differs from 5		face for the first		
3.0.1	2021-04-13	MiniOS7 2.03.004	Web Server 2.01.x	Ethernet 1.29 Modbus 1.7.4		
	had expire	e that module does not send DHCP request to rene ed. e that caused the alarm limit configurations to fail w				
3.0.0	2018-05-25	MiniOS7 2.03.004	Web Server 2.01.x	Ethernet 1.29		
	on comm Update: Use HTMI	abling the pair-connection, the digital outputs can bunication failure. 5 features to build the web user interface, which does unto the content of the Host Watchdog timer from	oes not require Adobo	e Flash Player.		
2.0.0	2014-04-24		CPU 5.2.5	Ethernet 1.2.8		
			Web Server 1.2.8	Modbus 1.7.2		
	Added suThe ModiImprove t	roved features: pport for new Flash chip pus TCP port can be specified individually for WAN a he web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules				
1.1.4	2012-08-24	MiniOS7 2.2.10				
	New and imp	roved features:				
		he method for detecting the connection status between modules in order to avoid being disconnected from		Γ-7000 and the		
1.1.3	2012-03-26	MiniOS7 2.2.10				
	New and imp	roved features:				

	Broadcast	s an ARP request on the local network at	: 30-second	l intervals	
	Update:				
	Removed	the option of setting up the "Router Pub	lic IP"		
	Fixed:				
	The count commandWhen the	does not work properly when using eith ter value will stay the same upon reboot I module accepted the first Modbus questput channels, the analog outputs may continue to the state of the same of the	if the modery (Function	ule is reset by either WDT or reset n code 06/16) after changing the type of	
1.0.6	2010-02-02	MiniOS7 2.2.10			
	New and imp	roved features:			
	Added sup	oport for Al-to-AO Pair-Connection			
	Fixed:				
		issue that the Web HMI page failed to co was set to current type	nvert AO v	ralue from hex to floating value when AO	
1.0.4	2009-12-14	MiniOS7 2.2.10			
	New and imp	roved features:			
	Added op This meth	pport for Modbus UDP protocol tions to specify the IP address and TCP p od enables the web HMI of internal ET-7 n the Internet		000 can be accessed by the remote web	
		es regarding the Pair-Connection			
	1. Commu 2. Cannot	unication may fail when receiving an illeg reconnect to remote input device after s address of remote input device does no	disconnect	·	
1.0.3	2009-10-05	MiniOS7 2.2.10			
	New and imp	roved features:			
	-	pport for 32-bit counter			
		status of specified DI channel can be clea	ared individ	lually	

ET-7028/PET-7028

had expired.

Version	Release	MiniOS7	Function library	
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers	
3.1.1	2023-11-01	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4
	New and imp	proved features:		
	User can compatib The broad receiving A factory Enable a connection from constitution Update: There is retime, it is	extion Import and Export export all module settings into a file and import full ble modules of the same models. dcast messages are supported with Modbus UDP. A and finishing a broadcast request. reset can be performed when network connection in keep-alive mechanism for the Modbus communicate consumers between a Modbus client and the module. This suming TCP server resources. The default username and password when logging in necessary to create a new admin account. UDP port number can be changed and differs from 5	response message wi is available on module ion for the detection mechanism prevents to the web user inter	II be returned upon e in INIT mode. of active idle connections
3.0.0	2021-04-13	MiniOS7 2.03.004	Web Server 2.01.1	Ethernet 1.29 Modbus 1.7.4
	 When enpredefine Update: Use HTM 	proved features: abling the pair-connection, the digital and analog out and state on communication failure. L5 features to build the web user interface, which do the unit of timeout of the Host Watchdog timer from	oes not require Adob	e Flash Player.

ET-7042/PET-7042

Version	Release	MiniOS7	Function library			
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers			
3.1.1	2023-10-17	MiniOS7 2.04.000	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4		
	Configura	roved features: ation Import and Export				
	compatib The broad	export all module settings into a file and import full le modules of the same models. dcast messages are supported with Modbus UDP. A and finishing a broadcast request.				
3.1.0	2023-04-10	MiniOS7 2.02.016	Web Server 2.10.3	Ethernet 1.29 Modbus L1.0.3		
	New and imp	roved features:				
	When en	reset can be performed when network connection is abling the pair-connection, the digital outputs can bunication failure.				
	time, it is • Modbus	no default username and password when logging in necessary to create a new admin account. UDP port number can be changed and differs from 5		face for the first		
	Fixed:	so that accord NA adhres we sugget failing usbase was dule	, bas a slave ID fram (120 +- 255		
3.0.0	• Fixed issu 2017-04-26	He that caused Modbus request failing when module MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2		
		L5 features to build the web interface, which does note the unit of timeout of the Host Watchdog timer from	ot require Adobe Fla	sh Player		
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2		
	New and imp	roved features:				
	Added su	pport for new Flash chip				
		The Modbus TCP port can be specified individually for WAN and LAN				
1 2 1	• Improve 1	the web interface for setting up the Pair-Connection				
1.3.1		MiniOS7 2.02.010				
	Improve	roved features: the method for detecting the connection status betwin order to avoid being disconnected from the netw		d the interactive		
1.3.0	2012-03-27	MiniOS7 2.02.010				
-		proved features:	I.			
		e new IP address has been changed				
	• With the DHCP enabled, the hostname (option 12) can be specified with the "Module Information"					
	_	the setting is not given, the default (icpdas_xx:xx:xx	x) will be used.			
		on lifetime lodbus TCP connection has been established, it will	he closed after 90 sec	conds of inactivity		
1.2.1	2010-04-28	MiniOS7 2.02.010	Se closed diter 50 sec	conds of mactivity		
·		roved features:	<u> </u>			
	-	pport for Modbus UDP protocol				
	Added op	pport for Moudus obe protocol ptions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000 can be	accessed by the rem	ote web browser i		

the Internet

- Added an option to change the Modbus ID
- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000 after disconnect

Update:

Communication of Web HMI is based on Adobe Flash Player
 This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed:

- Fixed issues regarding the Pair-Connection
 - 1. Communication may fail when receiving an illegal response from remote input device
 - 2. Cannot reconnect to remote input device after disconnect
 - 3. Modbus address of remote input device does not accept more than 10255
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7044/PET-7044

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers		
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2	
	New and improved features:				
	disabled	software low-pass filter to the digital input counter. or programmable. on procession can be enabled and configured to allow I			
	remote d	igital outputs over Ethernet			
	Update:				
		L5 features to build the web interface, which does r	-		
200		ne unit of timeout of the Host Watchdog timer from	CPU 5.2.5	Ethernet 1.2.8	
2.0.0	2014-04-24	MiniOS7 2.02.015	Web Server 1.2.8	Modbus 1.7.2	
	New and imp	roved features:			
	Added su	pport for new Flash chip			
		ous TCP port can be specified individually for WAN a			
	-	the web interface for setting up the Pair-Connection	1		
	Update:				
		firmware for both ET-7000 and PET-7000 modules			
1.3.1	2012-07-24	MiniOS7 2.02.010			
	New and improved features:				
	 Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network 				
1.3.0	2012-03-27	MiniOS7 2.02.010			
	New and imp	roved features:			
	With the setting. IfConnection	e new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x on lifetime lodbus TCP connection has been established, it will	x) will be used.		
1.2.1	2010-04-28	MiniOS7 2.02.010			
<u>_</u>		roved features:			
	 Added su Added op This meth browser i Added an Added an Broadcas 	pport for Modbus UDP protocol stions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000/PET-76 n the Internet option to change the Modbus ID option to inverse the value of DI counter ts an ARP request on the local network at 5-minute will automatically reconnect to ET-7000/PET-7000	intervals	by the remote web	
	Update:				
		ication of Web HMI is based on Adobe Flash Player ent requires the Adobe Flash Player and a browser v	with Javascript enable	ed	
	Fixed:	and a stomber to			
	• Fixed issu 1. Commo	les regarding the Pair-Connection unication may fail when receiving an illegal respons reconnect to remote input device after disconnect is address of remote input device does not accept n	·	device	

- The preset value will be reset to 0 before clearing the DI counter value
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7050/PET-7050

Version	Release	MiniOS7	Function library
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which version of function library the firmware is using.
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5 Ethernet 1.3.0
		roved features:	Web Server 2.1.1 Modbus 1.7.2
	 Added a s disabled c I/O pair-c 	software low-pass filter to the digital input counter. or programmable. onnection can be enabled and configured to allow ligital outputs over Ethernet	·
		L5 features to build the web interface, which does r ne unit of timeout of the Host Watchdog timer from	
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5 Ethernet 1.2.8 Web Server 1.2.8 Modbus 1.7.2
	New and imp	roved features:	
	The Modi	pport for new Flash chip ous TCP port can be specified individually for WAN a he web interface for setting up the Pair-Connection	
1.3.1	2012-07-24	MiniOS7 2.02.010	
	New and imp	roved features:	
		the method for detecting the connection status bet in order to avoid being disconnected from the netw	
1.3.0	2012-03-27	MiniOS7 2.02.010	
	New and imp	roved features:	
	With the setting. IfConnection	new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x on lifetime odbus TCP connection has been established, it will	x) will be used.
1.2.1	2010-04-28	MiniOS7 2.02.010	
	 Added su Added op This meth the Interr Added an Added an Broadcast Web HMI Update: Communi This conter Fixed: Fixed issu 1. Communi 2. Cannot 	pport for Modbus UDP protocol tions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000 can be net option to change the Modbus ID option to inverse the value of DI counter as an ARP request on the local network at 5-minute will automatically reconnect to ET-7000 after disco- dication of Web HMI is based on Adobe Flash Player ent requires the Adobe Flash Player and a browser of the regarding the Pair-Connection unication may fail when receiving an illegal response to reconnect to remote input device after disconnect as address of remote input device does not accept in	intervals nnect with Javascript enabled e from remote input device
	The preseHost WD1	is address of remote input device does not accept not wall be reset to 0 before clearing the DI could does not work if the WDT timeout was set to 33 sectormation URL" field does not accept more than 12	nter value econds or more

ET-7051/PET-7051

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which version library the firmware		
3.1.1	2023-11-03	MiniOS7 2.03.004	CPU 5.2.5 Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4	
	New and improved features:				
	Configuration Import and Export				
	User can export all module settings into a file and import full or partial configuration across				
	1	le modules of the same models.			
		dcast messages are supported with Modbus UDP. A and finishing a broadcast request.	response message wil	ll be returned up	
	_	reset can be performed when network connection	is available on module	e in INIT mode.	
	Update:				
	_ ·	o default username and password when logging in	to the web user interf	face for the first	
		necessary to create a new admin account.			
	Modbus \(\)	JDP port number can be changed and differs from 5	502.		
	Fixed:				
	Fixed issu	e that caused Modbus request failing when module	has a slave ID from 1		
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0	
			Web Server 2.1.1	Modbus 1.7.2	
	New and imp	roved features:			
	Added a software low-pass filter to the digital input counter. The low-pass filter can be either				
	 disabled or programmable. I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to 				
		onnection can be enabled and configured to allow I igital outputs over Ethernet	ocal digital inputs to t	be mapped to	
	Update:	gital outputs over Ethernet			
	-	15 features to build the web interface, which does n	not require Adobe Flac	sh Plavor	
200	Use HTMI	L5 features to build the web interface, which does r		-	
2.0.0	-	L5 features to build the web interface, which does r MiniOS7 2.02.015	not require Adobe Flas CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2	
2.0.0	• Use HTMI 2014-04-24		CPU 5.2.5	Ethernet 1.2.8	
2.0.0	• Use HTMI 2014-04-24 New and imp	MiniOS7 2.02.015 roved features:	CPU 5.2.5	Ethernet 1.2.8	
2.0.0	• Use HTMI 2014-04-24 New and imp • Added su	MiniOS7 2.02.015	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8	
2.0.0	• Use HTMI 2014-04-24 New and imp • Added su	MiniOS7 2.02.015 roved features: pport for new Flash chip	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8	
2.0.0	• Use HTMI 2014-04-24 New and imp • Added su • The Modil Update:	MiniOS7 2.02.015 roved features: pport for new Flash chip	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8	
2.0.0	• Use HTMI 2014-04-24 New and imp • Added su • The Modil Update:	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8	
	• Use HTMI 2014-04-24 New and imp • Added su • The Model Update: • The same 2012-07-24	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8	
	• Use HTMI 2014-04-24 New and imp • Added su • The Modi Update: • The same 2012-07-24 New and imp	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features:	CPU 5.2.5 Web Server 1.2.8 and LAN	Ethernet 1.2.8 Modbus 1.7.2	
	• Use HTMI 2014-04-24 New and imp • Added su • The Modi Update: • The same 2012-07-24 New and imp • Improve to	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET	Ethernet 1.2.8 Modbus 1.7.2	
	• Use HTMI 2014-04-24 New and imp • Added su • The Modi Update: • The same 2012-07-24 New and imp • Improve to	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status between	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET	Ethernet 1.2.8 Modbus 1.7.2	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status between modules in order to avoid being disconnected from	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET	Ethernet 1.2.8 Modbus 1.7.2	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modit Update: The same 2012-07-24 New and imp Improve t interactive 2012-03-27 New and imp	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from MiniOS7 2.02.010	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET	Ethernet 1.2.8 Modbus 1.7.2	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the With the	MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be specified.	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET m the network ecified with the "Mod	Ethernet 1.2.8 Modbus 1.7.2	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If	minios7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules Minios7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from Minios7 2.02.010 roved features: In new IP address has been changed DHCP enabled, the hostname (option 12) can be spothe setting is not given, the default (icpdas_xx:xx:x:	CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PET m the network ecified with the "Mod	Ethernet 1.2.8 Modbus 1.7.2	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modit Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If Connectice Connectice	roved features: pport for new Flash chip pus TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be specified individually for WAN a DHCP enabled, the hostname (option 12) can be specified individually for WAN a proved features: The new IP address has been changed DHCP enabled, the hostname (option 12) can be specified individually for WAN a proved features: The new IP address has been changed DHCP enabled, the hostname (option 12) can be specified individually for WAN a proved features: The new IP address has been changed DHCP enabled, the hostname (option 12) can be specified individually for WAN a proved features:	ween the ET-7000/PET m the network ecified with the "Mod x) will be used.	Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If Connection Once a Metal Content of the setting of the setting. If Connection Once a Metal Content of the setting.	roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be spothe setting is not given, the default (icpdas_xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:	ween the ET-7000/PET m the network ecified with the "Mod x) will be used.	Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the	
1.3.1	• Use HTMI 2014-04-24 New and imp • Added su • The Modif Update: • The same 2012-07-24 New and imp • Improve to interactive 2012-03-27 New and imp • Verify the exetting. If • Connection Once a Mi 2010-04-28	minios7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules Minios7 2.02.010 roved features: the method for detecting the connection status bette modules in order to avoid being disconnected from Minios7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x:x) on lifetime odbus TCP connection has been established, it will Minios7 2.02.010	ween the ET-7000/PET m the network ecified with the "Mod x) will be used.	Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If Connection Once a Mine 2010-04-28 New and imp	roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status betwee modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: In new IP address has been changed DHCP enabled, the hostname (option 12) can be spothe setting is not given, the default (icpdas_xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:	ween the ET-7000/PET m the network ecified with the "Mod x) will be used.	Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the	
1.3.1	Use HTMI 2014-04-24 New and imp Added su The Modil Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If Connection Once a M 2010-04-28 New and imp Added su Added su	minios7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules Minios7 2.02.010 roved features: the method for detecting the connection status bette modules in order to avoid being disconnected from Minios7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x:x) on lifetime odbus TCP connection has been established, it will Minios7 2.02.010	ween the ET-7000/PET m the network ecified with the "Mod x) will be used.	Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the	

browser in the Internet

- Added an option to change the Modbus ID
- Added an option to inverse the value of DI counter
- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect

Update:

Communication of Web HMI is based on Adobe Flash Player
 This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed:

- The preset value will be reset to 0 before clearing the DI counter value
- "More Information URL" field does not accept more than 12 characters

ET-7052/PET-7052

Version	Release	MiniOS7	Function library			
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers			
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2		
	New and improved features:					
	disabled of the disabled of the disabled of the disabled of the disable of the di	oftware low-pass filter to the digital input counter. or programmable. onnection can be enabled and configured to allow ligital outputs over Ethernet	•			
	Update:					
		L5 features to build the web interface, which does r		•		
	Change th	ne unit of timeout of the Host Watchdog timer from	second to 0.1 secon			
2.0.0	2014-04-24	MiniOS7 2.02.015	Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2		
	New and imp	roved features:				
	The ModlImprove tUpdate:	pport for new Flash chip ous TCP port can be specified individually for WAN a the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules				
1.3.1	2012-07-24	MiniOS7 2.02.010				
1.5.1						
	 New and improved features: Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network 					
1.3.0	2012-03-27	MiniOS7 2.02.010				
	Verify theWith the setting. IfConnection	roved features: new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x on lifetime odbus TCP connection has been established, it will	x) will be used.			
1.2.1	2010-04-28	MiniOS7 2.02.010				
	New and imp	roved features:	1			
	 Added op This meth browser i Added an Added an Broadcast 	pport for Modbus UDP protocol tions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000/PET-70 n the Internet option to change the Modbus ID option to inverse the value of DI counter as an ARP request on the local network at 5-minute will automatically reconnect to ET-7000/PET-7000	intervals	by the remote web		
	Update:					
	• Communi	ication of Web HMI is based on Adobe Flash Player ent requires the Adobe Flash Player and a browser v	with Javascript enable	ed		
	Fixed:		savaseript chabit	- -		
	• Fixed issu 1. Commu 2. Cannot	es regarding the Pair-Connection unication may fail when receiving an illegal respons reconnect to remote input device after disconnect is address of remote input device does not accept n		device		

- The preset value will be reset to 0 before clearing the DI counter value
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7053/PET-7053

Version	Release	MiniOS7	Function library			
umber	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers			
3.1.1	2023-11-03	MiniOS7 2.03.004	CPU 5.2.5 Web Server 2.10.4	Ethernet 1.29		
	New and imn	New and improved features:				
	Configuration Import and Export					
	Configuration Import and Export User can export all module settings into a file and import full or partial configuration across					
		le modules of the same models.				
		dcast messages are supported with Modbus UDP. A	response message wi	ll be returned up		
	_	and finishing a broadcast request.	is available on module	o in INIT made		
		reset can be performed when network connection	is available on module	e in ilvii mode.		
	Update:	a default username and password when legging in	to the web user interd	face for the first		
		o default username and password when logging in necessary to create a new admin account.	to the web user interi	ace for the first		
		JDP port number can be changed and differs from 5	502.			
	Fixed:					
	Fixed issu	e that caused Modbus request failing when module	has a slave ID from 1	28 to 255.		
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0		
	2017-04-20	Willios7 2.02.010	Web Server 2.1.1	Modbus 1.7.2		
	New and imp	roved features:				
		Added a software low-pass filter to the digital input counter. The low-pass filter can be either				
	disabled or programmable.					
		onnection can be enabled and configured to allow I	ocal digital inputs to b	be mapped to		
	remote digital outputs over Ethernet					
	 Update: Use HTML5 features to build the web interface, which does not require Adobe Flash Player 					
2.0.0			CPU 5.2.5	Ethernet 1.2.8		
2.0.0	2014-04-24	MiniOS7 2.02.015	Web Server 1.2.8	Modbus 1.7.2		
	New and improved features:					
	Added support for new Flash chip					
	- Added su	pport for new Flash Chip				
		pport for new Flash Chip bus TCP port can be specified individually for WAN a	and LAN			
		• •	and LAN			
	• The Mod	• •	and LAN			
1.3.1	• The Mod	ous TCP port can be specified individually for WAN a	and LAN			
1.3.1	The ModUpdate:The same2012-07-24	bus TCP port can be specified individually for WAN a firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010	and LAN			
1.3.1	• The Mod Update: • The same 2012-07-24 New and imp	bus TCP port can be specified individually for WAN at firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features:		Γ-7000 and the		
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1.3.1	The ModUpdate:The same2012-07-24New and impImprove to	the method for detecting the connection status between the specified individually for WAN and FET-7000 modules. MiniOS7 2.02.010 roved features: the method for detecting the connection status between the specified individually for WAN and FET-7000 modules.	ween the ET-7000/PE	Г-7000 and the		
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	 The Mod Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the setting. If 	firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status bette modules in order to avoid being disconnected fro MiniOS7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:xx	ween the ET-7000/PE ⁻ m the network			
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1.3.0	The Mod Update: The same 2012-07-24 New and imp Improve to interactive 2012-03-27 New and imp Verify the Setting. If Connection Once a M 2010-04-28 New and imp Added su	firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: the method for detecting the connection status bette modules in order to avoid being disconnected fro MiniOS7 2.02.010 roved features: e new IP address has been changed DHCP enabled, the hostname (option 12) can be spot the setting is not given, the default (icpdas_xx:xx:x on lifetime lodbus TCP connection has been established, it will MiniOS7 2.02.010	ween the ET-7000/PE ⁻ m the network ecified with the "Moo x) will be used.	lule Information"		

browser in the Internet

- Added an option to change the Modbus ID
- Added an option to inverse the value of DI counter
- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect

Update:

Communication of Web HMI is based on Adobe Flash Player
 This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed:

- The preset value will be reset to 0 before clearing the DI counter value
- "More Information URL" field does not accept more than 12 characters

ET-7060/PET-7060

/ersion	Release	MiniOS7	Function library	
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers	
3.1.1	2023-09-14	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4
	New and improved features:			
	 User can export all module settings into a file and import full or partial configuration across compatible modules of the same models. The broadcast messages are supported with Modbus UDP. A response message will be returned upon receiving and finishing a broadcast request. A factory reset can be performed when network connection is available on module in INIT mode. When enabling the pair-connection, the digital outputs can be configured to have a predefined state on communication failure. 			
	Update:			
	time, it is	o default username and password when logging in necessary to create a new admin account. JDP port number can be changed and differs from 5		face for the first
	Fixed issued.	e that caused Modbus request failing when module	e has a slave ID from 1	128 to 255.
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2
	New and imp	roved features:		
	Added a s disabled oI/O pair-co	oftware low-pass filter to the digital input counter. or programmable. onnection can be enabled and configured to allow I	·	
	 Added a s disabled c I/O pair-co remote di Update: Use HTMI 	oftware low-pass filter to the digital input counter. or programmable.	ocal digital inputs to look of the look of	be mapped to sh Player ds
2.0.0	 Added a s disabled c I/O pair-co remote di Update: Use HTMI 	oftware low-pass filter to the digital input counter. or programmable. onnection can be enabled and configured to allow I gital outputs over Ethernet 5 features to build the web interface, which does r	ocal digital inputs to l	be mapped to sh Player
2.0.0	Added a s disabled c I/O pair-coremote di Update: Use HTML Change th 2014-04-24	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet _5 features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5	be mapped to sh Player ds Ethernet 1.2.8
2.0.0	Added a s disabled of l/O pair-corremote di Update: Use HTML Change the 2014-04-24 New and improve the Model of Improve the Update:	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet _5 features to build the web interface, which does rose unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5 Web Server 1.2.8	sh Player ds Ethernet 1.2.8
2.0.0	Added a s disabled of l/O pair-corremote di Update: Use HTML Change the 2014-04-24 New and improve the Model of Improve the Update:	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does not unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 Troved features: Copport for new Flash chip ous TCP port can be specified individually for WAN and he web interface for setting up the Pair-Connection	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5 Web Server 1.2.8	be mapped to sh Player ds Ethernet 1.2.8
	Added a s disabled of l/O pair-corremote di Update: Use HTML Change the 2014-04-24 New and improve the Modble Improve the Update: The same 2012-07-24	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does rose unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: copport for new Flash chip pous TCP port can be specified individually for WAN as the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5 Web Server 1.2.8	be mapped to sh Player ds Ethernet 1.2.8
	Added a s disabled of l/O pair-corremote di Update: Use HTML Change the 2014-04-24 New and imple Added sup The Mode Improve to Update: The same 2012-07-24 New and imple Improve to Improve Impr	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 Troved features: Deport for new Flash chip out TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5 Web Server 1.2.8	sh Player ds Ethernet 1.2.8 Modbus 1.7.2
	Added a s disabled of l/O pair-corremote di Update: Use HTML Change the 2014-04-24 New and imple Added sup The Mode Improve to Update: The same 2012-07-24 New and imple Improve to Improve Impr	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does not unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 Troved features: Copport for new Flash chip ous TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 Troved features: the method for detecting the connection status between the method for detecting the connection status betwee	ocal digital inputs to look require Adobe Flast second to 0.1 second CPU 5.2.5 Web Server 1.2.8	sh Player ds Ethernet 1.2.8 Modbus 1.7.2
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1.3.1	Added a s disabled of l/O pair-corremote di Update: Use HTML	oftware low-pass filter to the digital input counter. or programmable. connection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does record timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: poport for new Flash chip pous TCP port can be specified individually for WAN a he web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: he method for detecting the connection status between modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: new IP address has been changed DHCP enabled, the hostname (option 12) can be spethe setting is not given, the default (icpdas_xx:xx:x:con lifetime	ocal digital inputs to land trequire Adobe Flands second to 0.1 second CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PE me the network ecified with the "Modex) will be used.	sh Player ds Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the
1.3.1	Added a s disabled of l/O pair-corremote di Update: Use HTML	oftware low-pass filter to the digital input counter. or programmable. onnection can be enabled and configured to allow I gital outputs over Ethernet 25 features to build the web interface, which does rose unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: opport for new Flash chip ous TCP port can be specified individually for WAN as the web interface for setting up the Pair-Connection firmware for both ET-7000 and PET-7000 modules MiniOS7 2.02.010 roved features: he method for detecting the connection status between modules in order to avoid being disconnected from MiniOS7 2.02.010 roved features: new IP address has been changed DHCP enabled, the hostname (option 12) can be spothe setting is not given, the default (icpdas_xx:xx:xx:	ocal digital inputs to land trequire Adobe Flands second to 0.1 second CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000/PE me the network ecified with the "Modex) will be used.	sh Player ds Ethernet 1.2.8 Modbus 1.7.2 T-7000 and the

- Added support for Modbus UDP protocol
- Added options to specify the IP address and TCP port
 This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet
- Added an option to change the Modbus ID
- Added an option to inverse the value of DI counter
- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect

Update:

Communication of Web HMI is based on Adobe Flash Player
 This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed:

- Fixed issues regarding the Pair-Connection
 - 1. Communication may fail when receiving an illegal response from remote input device
 - 2. Cannot reconnect to remote input device after disconnect
 - 3. Modbus address of remote input device does not accept more than 10255
- The preset value will be reset to 0 before clearing the DI counter value
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7065/PET-7065

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers		
3.1.1	2023-09-14	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4	
	New and improved features:				
	compatibleThe broad receiving	export all module settings into a file and import full le modules of the same models. dcast messages are supported with Modbus UDP. A and finishing a broadcast request.	response message wi	ll be returned upo	
	When end on committee	reset can be performed when network connection abling the pair-connection, the digital outputs can bunication failure.			
	Update:				
	time, it is	o default username and password when logging in necessary to create a new admin account.		face for the first	
		JDP port number can be changed and differs from !	502.		
	• Fixed issues:	e that caused Modbus request failing when module	a hac a clavo ID from 1	128 to 255	
3.0.0			CPU 5.2.5	Ethernet 1.3.0	
3.0.0	2017-04-26	MiniOS7 2.02.016	Web Server 2.1.1	Modbus 1.7.2	
	 New and improved features: Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable. I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet 				
	1		ocal digital inputs to I	be mapped to	
	1		ocal digital inputs to I	be mapped to	
	remote di Update: • Use HTMI	igital outputs over Ethernet L5 features to build the web interface, which does r	not require Adobe Flas	sh Player	
2.0.0	remote di Update: • Use HTMI	igital outputs over Ethernet	not require Adobe Flas	sh Player	
2.0.0	remote di Update: Use HTMI Change th	igital outputs over Ethernet L5 features to build the web interface, which does represent the unit of timeout of the Host Watchdog timer from	not require Adobe Flas n second to 0.1 second CPU 5.2.5	sh Player ds Ethernet 1.2.8	
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2.0.0	remote di Update: Use HTMI Change th 2014-04-24 New and impr Added sur The Mode	Igital outputs over Ethernet L5 features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: pport for new Flash chip	not require Adobe Flas n second to 0.1 second CPU 5.2.5 Web Server 1.2.8	sh Player ds Ethernet 1.2.8	
	remote di Update: Use HTMI Change th 2014-04-24 New and impl Added sup The Mode Improve t 2012-07-24	LS features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection MiniOS7 2.02.010	not require Adobe Flas n second to 0.1 second CPU 5.2.5 Web Server 1.2.8	sh Player ds Ethernet 1.2.8	
	remote di Update: Use HTMI Change th 2014-04-24 New and impl Added sul The Mode Improve t 2012-07-24 New and impl Improve t	LS features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: pport for new Flash chip bus TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection	not require Adobe Flash second to 0.1 second CPU 5.2.5 Web Server 1.2.8 and LAN n	sh Player ds Ethernet 1.2.8 Modbus 1.7.2	
	remote di Update: Use HTMI Change th 2014-04-24 New and impl Added sul The Mode Improve t 2012-07-24 New and impl Improve t	LS features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: pport for new Flash chip bus TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection MiniOS7 2.02.010 roved features: the method for detecting the connection status bet	not require Adobe Flash second to 0.1 second CPU 5.2.5 Web Server 1.2.8 and LAN n	sh Player ds Ethernet 1.2.8 Modbus 1.7.2	
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1.3.1	remote di Update: Use HTMI Change th 2014-04-24 New and impl Added sup The Mode Improve to 2012-07-24 New and impl Improve to 2012-03-27 New and impl Verify the With the setting. If Connection Once a M 2010-04-28	Is features to build the web interface, which does not be unit of timeout of the Host Watchdog timer from MiniOS7 2.02.015 roved features: pport for new Flash chip ous TCP port can be specified individually for WAN at the web interface for setting up the Pair-Connection MiniOS7 2.02.010 roved features: the method for detecting the connection status better order to avoid being disconnected from the network MiniOS7 2.02.010 roved features: In method for detecting the connection status better order to avoid being disconnected from the network MiniOS7 2.02.010 roved features: In new IP address has been changed DHCP enabled, the hostname (option 12) can be spetthe setting is not given, the default (icpdas_xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:xx:	not require Adobe Flash second to 0.1 second to 0.1 second CPU 5.2.5 Web Server 1.2.8 and LAN ween the ET-7000 and ork ecified with the "Mod x) will be used.	sh Player ds Ethernet 1.2.8 Modbus 1.7.2 d the interactive	

This method enables the web HMI of internal ET-7000 can be accessed by the remote web browser in the Internet

- Added an option to change the Modbus ID
- Added an option to inverse the value of DI counter
- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000 after disconnect

Update:

Communication of Web HMI is based on Adobe Flash Player
 This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed:

- Fixed issues regarding the Pair-Connection
 - 1. Communication may fail when receiving an illegal response from remote input device
 - 2. Cannot reconnect to remote input device after disconnect
 - 3. Modbus address of remote input device does not accept more than 10255
- The preset value will be reset to 0 before clearing the DI counter value
- Host WDT does not work if the WDT timeout was set to 33 seconds or more "More Information URL" field does not accept more than 12 characters

ET-7066/PET-7066

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers		
3.1.1	2023-10-17	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4	
	New and improved features:				
	compatibThe broad receivingA factoryWhen en	export all module settings into a file and import full tile modules of the same models. dcast messages are supported with Modbus UDP. A and finishing a broadcast request. reset can be performed when network connection abling the pair-connection, the digital outputs can be junication failure.	response message wi	II be returned upo	
	Update:				
	There is r time, it isModbus	no default username and password when logging in necessary to create a new admin account. UDP port number can be changed and differs from !		face for the first	
	Fixed issues:	so that caused Madhus request failing when module	o has a slave ID from 1	120 +0 255	
3.0.0		ue that caused Modbus request failing when module	CPU 5.2.5	Ethernet 1.3.0	
3.0.0	2017-04-26	MiniOS7 2.02.016	Web Server 2.1.1	Modbus 1.7.2	
	Update:				
	Use HTML5 features to build the web user interface, which does not require Adobe Flash Player				
	Change tl	he unit of timeout of the Host Watchdog timer from	1		
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2	
	New and imp	roved features:	VVCD 3C1 VC1 1.2.0	111000003 1.7.2	
	Added su The Mod	pport for new Flash chip bus TCP port can be specified individually for WAN a the web interface for setting up the Pair-Connectior			
1.3.1	2012-07-24	MiniOS7 2.02.010			
	New and imp	roved features:			
	Improve	the method for detecting the connection status bet in order to avoid being disconnected from the netw		d the interactive	
1.3.0	2012-03-27	MiniOS7 2.02.010			
	New and imp	roved features:			
	With the setting. IfConnection	e new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x on lifetime lodbus TCP connection has been established, it will	x) will be used.		
1.2.1	2010-04-28	MiniOS7 2.02.010		onas or macrivity	
		proved features:			
	 Added su Added op This meth the Intern 	pport for Modbus UDP protocol ptions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000 can be	e accessed by the rem	ote web browser	
	Broadcas	ts an ARP request on the local network at 5-minute will automatically reconnect to ET-7000 after disco			

Update:

• Communication of Web HMI is based on Adobe Flash Player
This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed issues:

- Fixed issues regarding the Pair-Connection
 - 1. Communication may fail when receiving an illegal response from remote input device
 - 2. Cannot reconnect to remote input device after disconnect
 - 3. Modbus address of remote input device does not accept more than 10255
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7067/PET-7067

Version	Release	MiniOS7	Function library		
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which vers	e is using.	
3.1.1	2023-10-17	MiniOS7 2.03.004	Web Server 2.10.4	Ethernet 1.29 Modbus L1.0.4	
	New and improved features:				
	compatibThe broad receivingA factoryWhen end	export all module settings into a file and import full le modules of the same models. dcast messages are supported with Modbus UDP. A and finishing a broadcast request. reset can be performed when network connection abling the pair-connection, the digital outputs can bunication failure.	response message w is available on modul	ill be returned upo e in INIT mode.	
	There is n time, it isModbus IFixed issues:	no default username and password when logging in necessary to create a new admin account. JDP port number can be changed and differs from 5	502.		
3.0.0	2017-04-26	e that caused Modbus request failing when module MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2	
		L5 features to build the web user interface, which d e unit of timeout of the Host Watchdog timer from	•	•	
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2	
	The ModlImprove tUpdate:	pport for new Flash chip ous TCP port can be specified individually for WAN a the web interface for setting up the Pair-Connection of firmware for both ET-7000 and PET-7000 modules			
1.3.1	2012-07-24	MiniOS7 2.02.010			
	New and imp Improve t	roved features: the method for detecting the connection status between modules in order to avoid being disconnected from		T-7000 and the	
1.3.0	2012-03-27	MiniOS7 2.02.010			
	Verify theWith the setting. IfConnection	roved features: new IP address has been changed DHCP enabled, the hostname (option 12) can be sp the setting is not given, the default (icpdas_xx:xx:x on lifetime odbus TCP connection has been established, it will	x) will be used.		
1.2.1	2010-04-28	MiniOS7 2.02.010			
	 Added su Added op This meth browser i 	roved features: pport for Modbus UDP protocol tions to specify the IP address and TCP port nod enables the web HMI of internal ET-7000/PET-70 n the Internet option to change the Modbus ID	000 can be accessed	by the remote web	

- Broadcasts an ARP request on the local network at 5-minute intervals
- Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect

Update:

• Communication of Web HMI is based on Adobe Flash Player
This content requires the Adobe Flash Player and a browser with Javascript enabled

Fixed issues:

- Fixed issues regarding the Pair-Connection
 - 1. Communication may fail when receiving an illegal response from remote input device
 - 2. Cannot reconnect to remote input device after disconnect
 - 3. Modbus address of remote input device does not accept more than 10255
- Host WDT does not work if the WDT timeout was set to 33 seconds or more
- "More Information URL" field does not accept more than 12 characters

ET-7083/PET-7083

Version	Release	MiniOS7	Function library	
number	date	Signifies which version of MiniOS7 the firmware is running on.	Signifies which version of function library the firmware is using.	
3.0.1	2020-02-19	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.01.x	Ethernet 1.3.0 Modbus 1.7.4
	New and improved features:			
	• Index trigger mode setting can be configured to clear the counter automatically if the z index signal of the encoder is detected.			
3.0.0	2019-03-29	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.01.x	Ethernet 1.3.0 Modbus 1.7.4
	New and improved features:			
	• Support for low-pass filter. This filter can be configured to filter out high-frequency noise from input signals.			
	Update:			
	Use HTML5 features to build the web user interface, which does not require Adobe Flash Player			
	Fixed issues:			
	 Fixed issue that module does not send DHCP request to renew its DHCP lease time before lease time had expired. 			