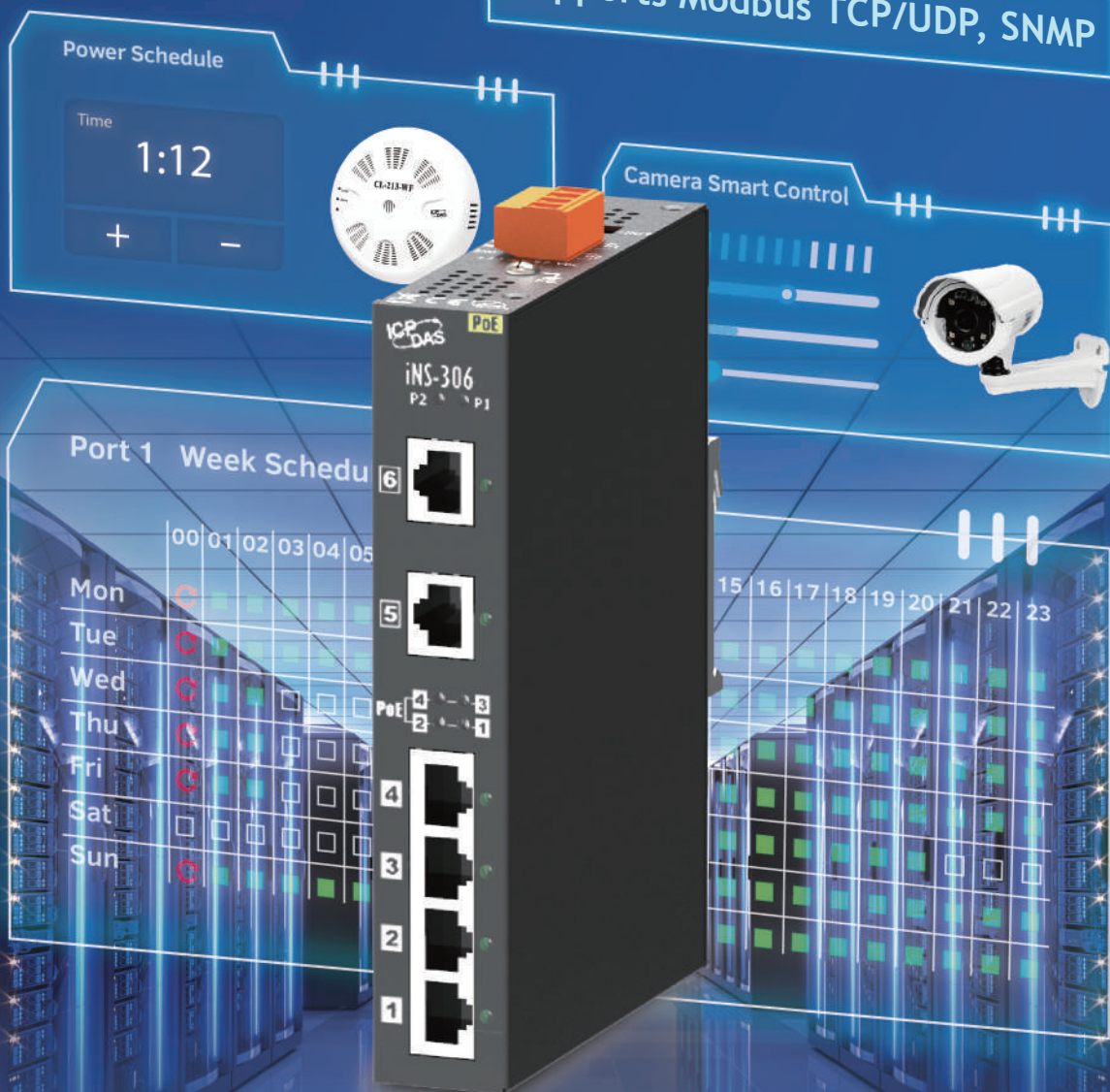


# iNS-300 Series

## Industrial Smart Switch

Supports Modbus TCP/UDP, SNMP



**Powerful Tool for Remote PoE Power Management**

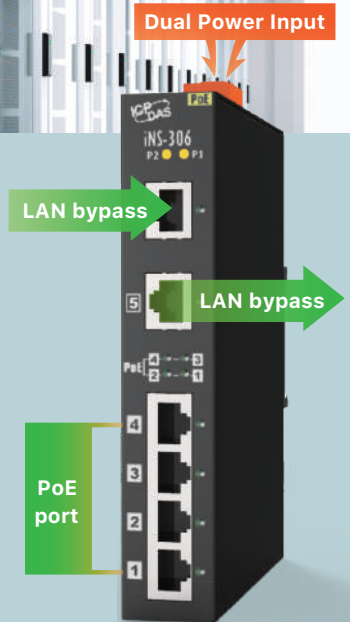
Web User Interface | Power Management  
Smart Scheduling | Redundant Power Supply

# iNS-300 Series

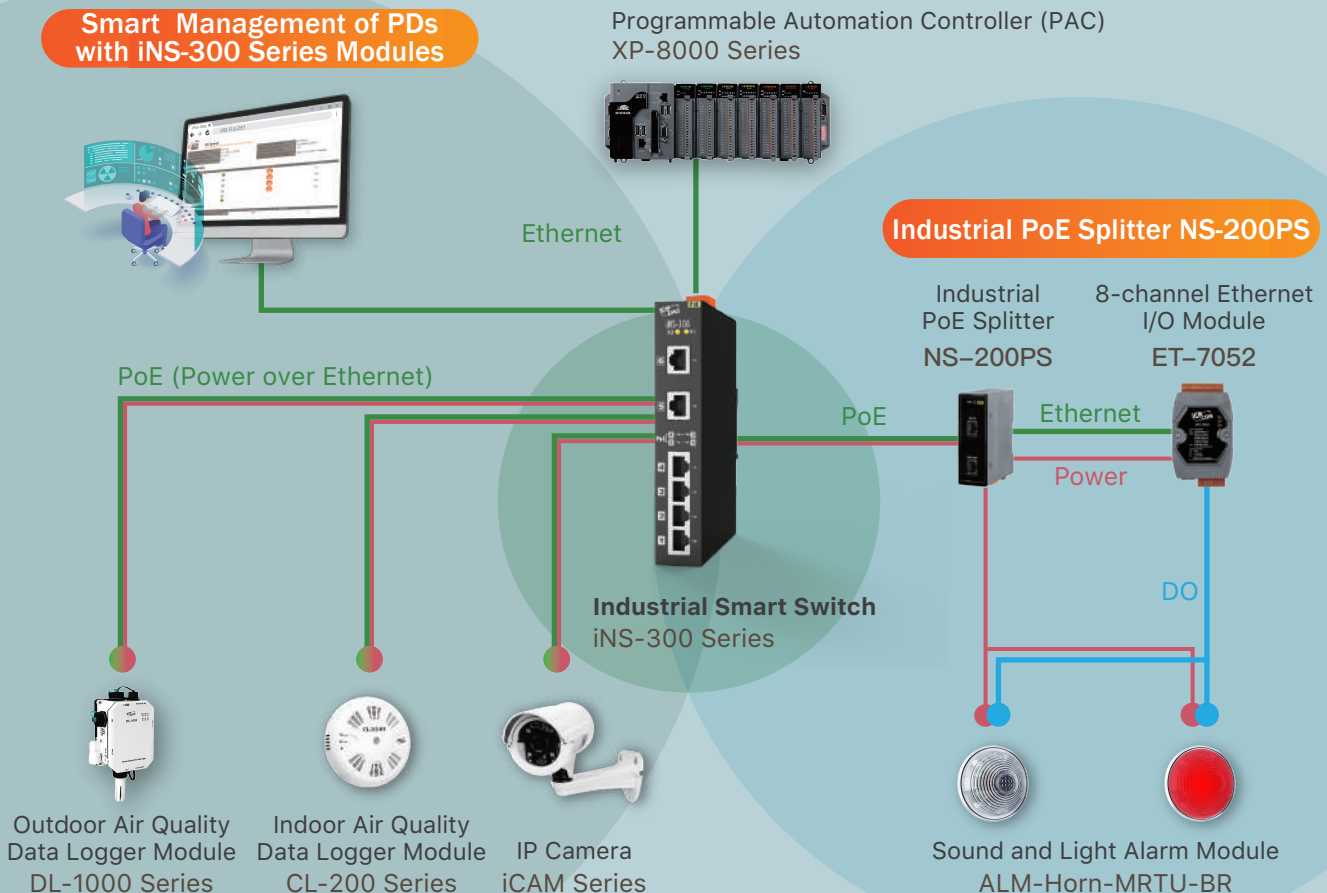
## Industrial Smart Switch

The iNS-306 is a new series of industrial smart switches that combine PoE power supply and power management. Users can log in to the iNS-300 series modules from a remote web browser to manage the power status of powered devices (PDs).

- ⚡ Supports Modbus TCP/UDP, SNMP communication protocols
- ⚡ Supports Internet Protocol versions 4 and 6 (IPv4, IPv6)
- ⚡ 4 PoE ports (PoE/PoE+, IEEE 802.3af/at)
- ⚡ The output power of each PoE port is up to 30W
- ⚡ Built-in web server, quickly updates the firmware through the network
- ⚡ Built-in real-time clock (RTC), Network Time Protocol (NTP) calibration support

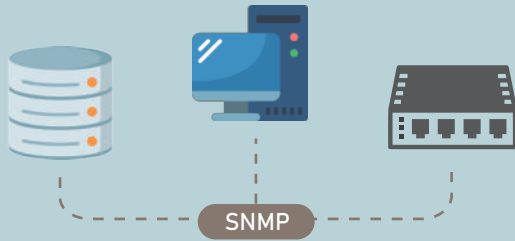


## System Architecture



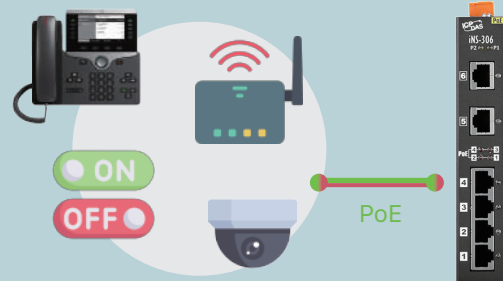
### Community-based SNMPv2c Internet protocol support

The IT personnel can monitor the operation of iNS-300 series modules and remotely control the power supply of the PoE port through the SNMPv2c Internet protocol. It also can send trap (alert) messages to keep track of PoE status.



### Integrated power supply and network transmission

Each PoE port can provide up to 30W of power to PDs, which can centrally manage power and reduce the complexity of powered device wiring.



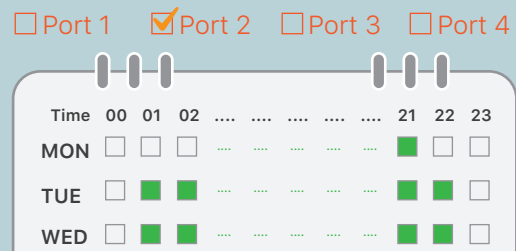
### Intuitive web-based management interface

The built-in easy-to-use web management interface can be used to remotely manage the settings of each port of the iNS-300 series IoT switch via a web browser, as well as manage the connection status and power consumption of lower-end PDs.



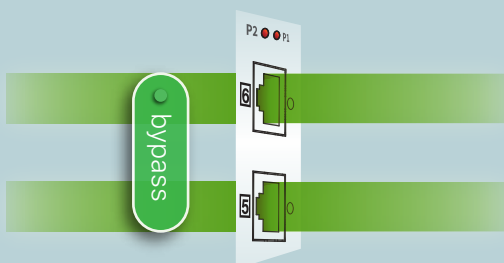
### Scheduled Remote Power Reboot

The iNS-300 series offers the scheduled power reboot function through the web interface to automatically restart the PDs regularly. Also, Each PoE port can be individually configured to enable or disable power scheduling.



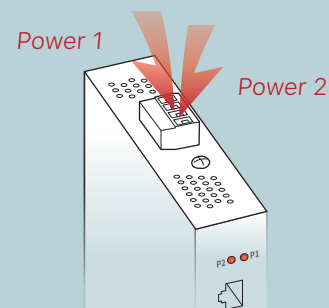
### LAN Bypass for reliable network traffic

Supports the daisy chain wiring scheme. When the external power supply is interrupted, the LAN Bypass function of the module Port 5/6 will be automatically enabled to ensure that the connected devices can communicate normally without affecting the transmission of important data.



### Redundant dual power supply design

The iNS-300 series provides two sets of power inputs. When the main power system fails, the secondary power system provides backup power to avoid interruption of network communication. When the total PoE load exceeds 60W, it is recommended to configure a dual power supply.



# Model Specifications



Models		iNS-306	iNS-308	iNS-316	iNS-324
Ethernet	Port	6 x RJ45	8 x RJ45	16 x RJ45	28 x RJ45 + 4 x SFP slot
	Speed	10/100M			10/100M (24 ports) 100/1000M (4 combo ports)
PoE (IEEE 802.3at)		4	8	16	24
SFP Slot		N/A			4 x 100/1000 SFP slot
LAN Bypass / Daisy-chained		Yes			
Power Input		+12~+57 VDC	+24~+57 VDC	+48~+57 VDC	
Modbus TCP/UDP		Yes			
IPv4, IPv6		Yes			
SNMP		Yes			
Power Scheduling / Remote PoE Management		Yes			
Dimensions (mm) (W x L x H)		28 x 160 x 119	42 x 164 x 120	44 x 179 x 140	483 x 44 x 293

