

Classification	<input checked="" type="checkbox"/> tDS	<input checked="" type="checkbox"/> tGW	<input type="checkbox"/> PETL/tET/tPET	<input type="checkbox"/> DS/PDS/PPDS	<input type="checkbox"/> tM-752N
	<input type="checkbox"/> I/O Card	<input type="checkbox"/> VXCCard	<input type="checkbox"/> VxComm	<input type="checkbox"/> Other	
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## Q: How do I pick the Tiny module in a 2 master and single slave architecture?

A: A common architecture can be divided to six forms based on the communication protocol and the communication interface.

- Communication protocol - Modbus or other protocol (one query/one response).
- Communication interface (Master) - Serial (RS-232/422/485) or Ethernet (TCP/UDP).
- Communication interface (Slave) - Serial (RS-232/422/485) or Ethernet (TCP/UDP).

Modbus Protocol		Master	
		Serial	Ethernet (TCP / UDP)
Slave	Serial	Architecture 1 <b>tSH-73x</b>	Architecture 2 <b>tGW-700</b>
	Ethernet (TCP / UDP)	Architecture 3 <b>tGW-700</b>	Modbus TCP / UDP

Other Protocol		Master	
		Serial	Ethernet (TCP)
Slave	Serial	Architecture 4 <b>tSH-73x</b>	Architecture 5 <b>tDS-700</b>
	Ethernet (TCP)	Architecture 6 <b>tDS-700</b>	Ethernet

## Architecture 1 Modbus protocol + Master (Serial) + Slave (Serial)

### Tiny module / Mode

tSH-73x series / Modbus Sharer

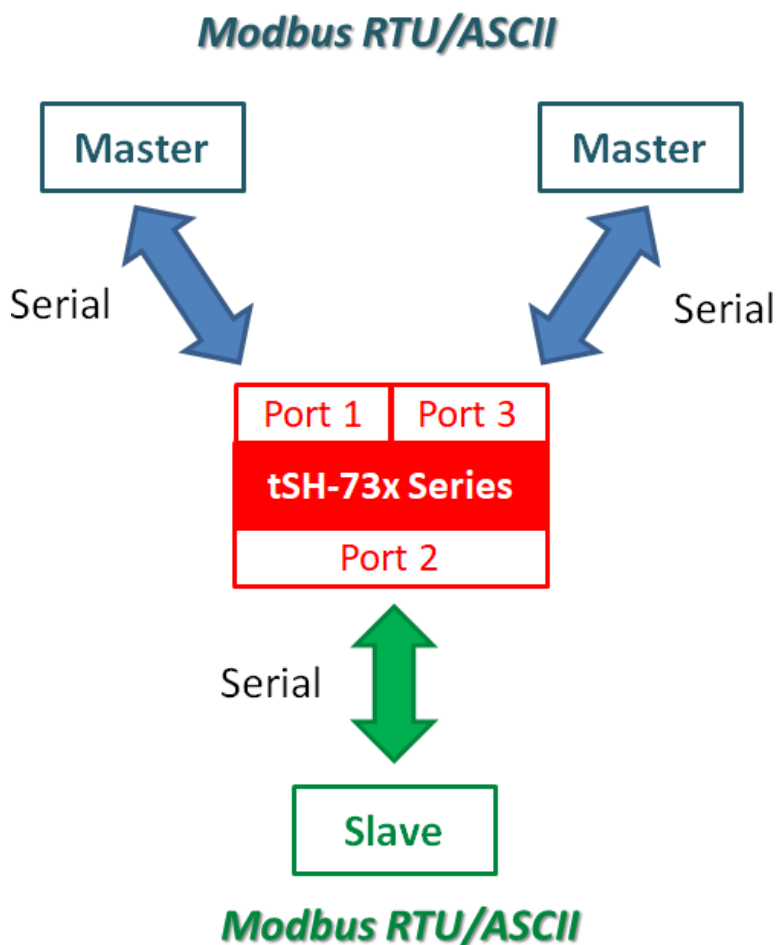
### Main function

Converts the transfer format for the Serial

Reduces the loading on the Slave device

Prevents data confusion on the Serial port

### Architecture diagram



## Architecture 2 Modbus protocol + Master (Ethernet) + Slave (Serial)

### Tiny module / Mode

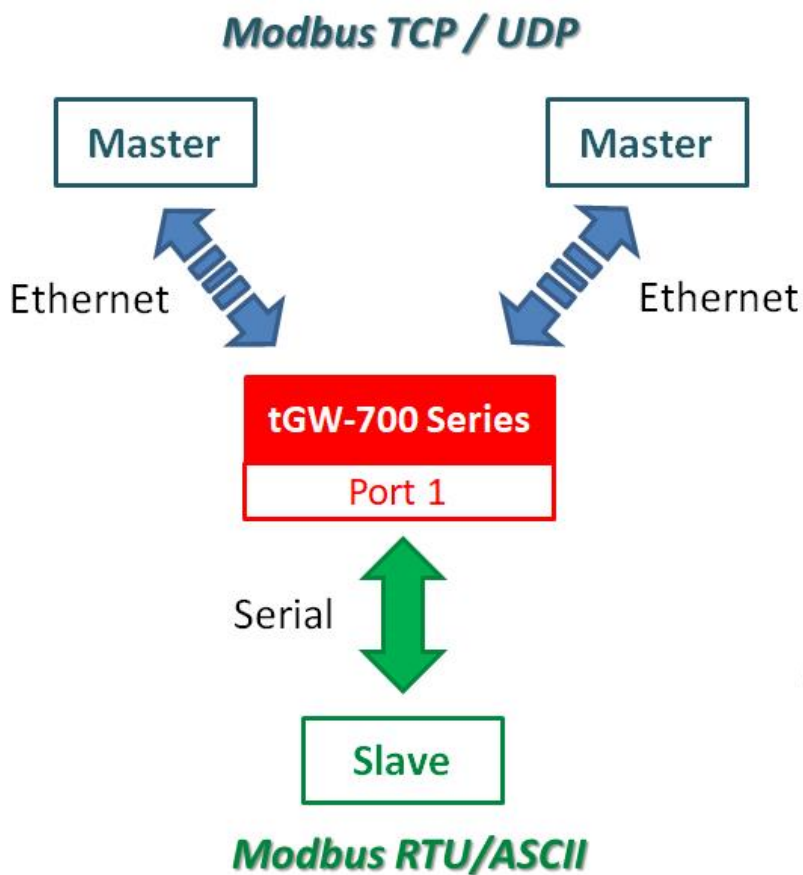
tGW-700 series / Server Mode

### Main function

Provides a Modbus TCP/UDP to RTU/ASCII Gateway

Reduces the loading on the Slave device

### Architecture diagram



## Architecture 3 Modbus protocol + Master (Serial) + Slave (Ethernet)

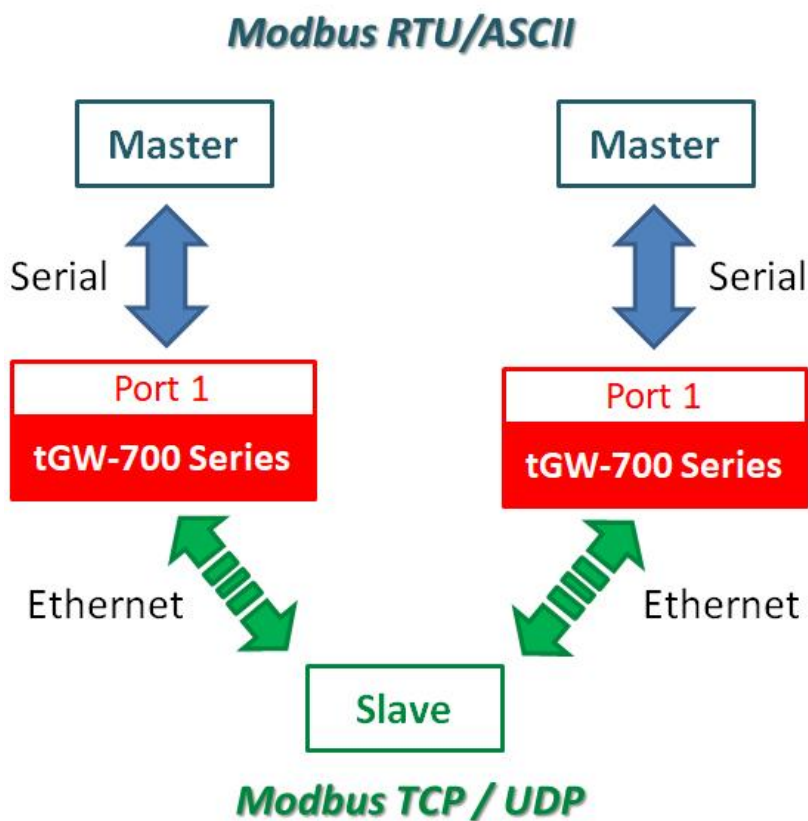
### Tiny module / Mode

tGW-700 series / Client Mode

### Main function

The Modbus RTU / ASCII to TCP/UDP Gateway

### Architecture diagram



## Architecture 4 Other protocol + Master (Serial) + Slave (Serial)

**Note: If another protocol is used, it should adhere to the one query one response rule.**

### Tiny module / Mode

tSH-73x series / Serial Sharer

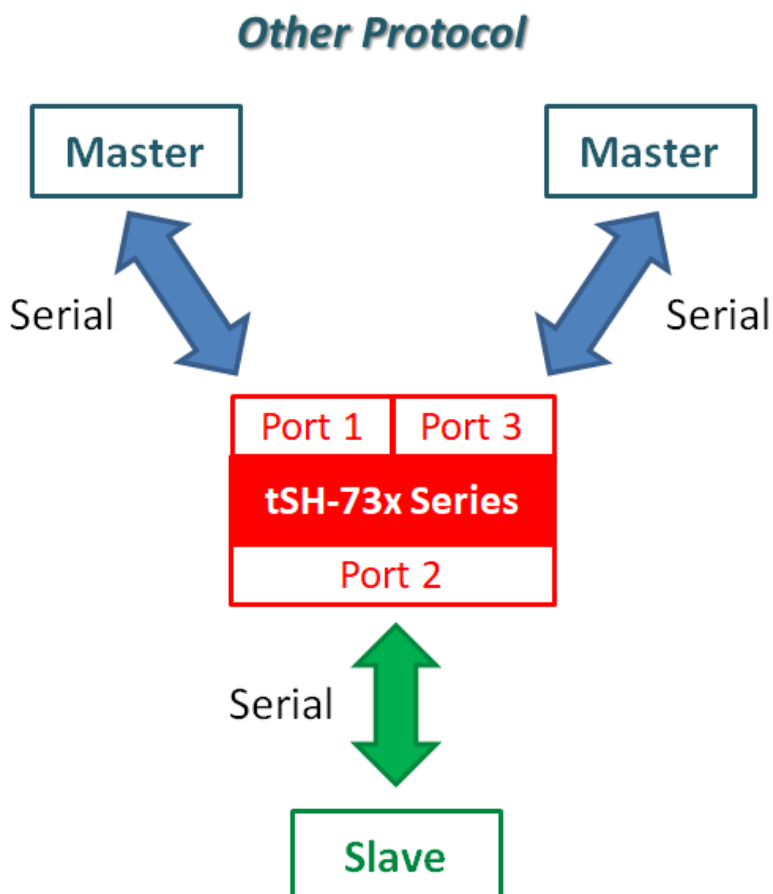
### Main function

Converts the transfer format from the Serial device

Reduces the loading on the Slave device

Prevents data confusion on the Serial port

### Architecture diagram





## Architecture 5 Other protocol + Master (Ethernet) + Slave (Serial)

**Note: If another protocol is used, it should adhere to the one query one response rule.**

**The tDS-700 series only supports TCP communication.**

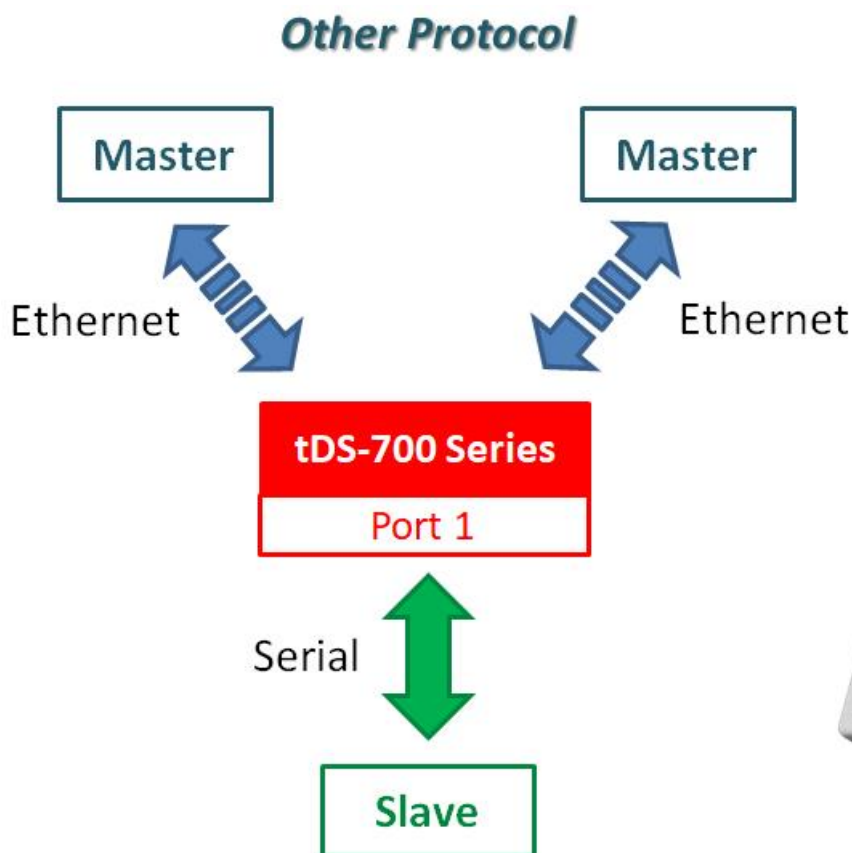
### Tiny module / Mode

**tDS-700 series / Server Mode**

### Main function

**Provides an Ethernet to Serial Gateway**

### Architecture diagram



## Architecture 6 Other protocol + Master (Serial) + Slave (Ethernet)

**Note: The tDS-700 series only supports TCP communication.**

### Tiny module / Mode

tDS-700 series / Client Mode

### Main function

Provides a Serial to Ethernet Gateway

### Architecture diagram

