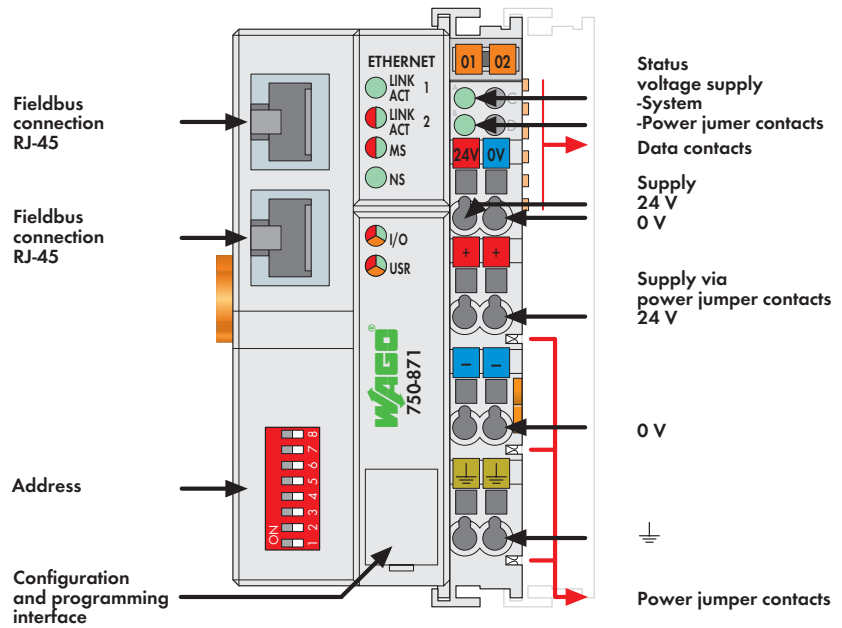



ETHERNET TCP/IP 2 Port Programmable Fieldbus Controller

10/100 Mbit/s; digital and analog signals



This fieldbus controller connects the WAGO-I/O-SYSTEM to the ETHERNET fieldbus.
 The fieldbus controller automatically configures, creating a local process image that may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes; digital data is sent bit by bit.
 This fieldbus controller permits data transmission rates of 10/100 Mbits/s and is programmable in accordance with IEC 61131-3. The controller provides 1 MB program memory, 512 KB data memory and 24 KB retain memory. It is capable of multitasking, has a battery-backed, real-time clock and is based on a 32-bit CPU.

The controller offers many different application protocols which can be used for data acquisition or control (MODBUS, ETHERNET/IP) or for system management and diagnostics (HTTP, BootP, DHCP, DNS, SNTP, FTP, SNMP and SMTP).
 HTML pages can be placed on an internal server for use in Web-based applications.
 The second Ethernet interface allows daisy-chaining up to a maximum segment length of 100 m. Due to signal propagation time, the maximum number of controllers that can be wired in series is 20.
 In addition, the controller provides the option of configuring the IP address via built-in DIP switch.

Description	Item No.	Pack. Unit
ETHERNET TCP/IP 2-port Controller	750-871	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see pages 304 ... 305	
Approvals		
Conformity marking	CE	
UL 508		
EN 60079-15	I M2 / II 3 GD Ex nA nL IIC T4	
Shipbuilding	see "Approvals Overview" in section 1	

System Data	
No. of controllers connected to Master	limited by ETHERNET specification
Transmission medium	Twisted Pair S-UTP 100 Ω Cat 5
Max. length of fieldbus segment	100 m hub station and 750-871; max. length of network limited by ETHERNET specification
Baud rate	10/100 Mbit/s
Buscoupler connection	2 x RJ-45
Protocols	MODBUS/TCP (UDP), EtherNet/IP, HTTP, BootP, DHCP, DNS, SNTP, FTP, SNMP
Programming	WAGO-I/O-PRO CAA
IEC 61131-3	IL, LD, FBD, ST, FC

