Ethernet Media Converter and Industrial Switches

Support full/half duplex operation

The N-TRON™ 302MC media converter is designed to allow the connection of 10/100BaseTX Ethernet devices to your 100BaseFX fiber cabling infrastructure.

The 305FX/306FX are unmanaged industrial Ethernet switches with four RJ-45 copper ports that support full/half duplex operation, and one or two fiber ports. Up to 1.0 Gb/s maximum throughput.

These rugged, DIN-rail devices are designed for use in challenging industrial data acquisition, control, and Ethernet I/O applications.

17792-83

SPECIFICATIONS				
Input voltage	10 to 30 VDC			
Input current	250 mA @ 24 V			
Operating temperature	−4 to 158°F (−20 to 70°C)			
Storage temperature	−40 to 185°F (−40 to 85°C)			
Operating humidity	10 to 95% (noncondensing)			
Operating altitude	0 to 10,000 ft			
Network media	10BaseT>Cat3 Cable 100BaseTX>Cat5 Cable 100BaseFX			
Multimode	50 to 62.5/125 μm fiber			
Single-mode	7 to 10/125 μm fiber			
Fiber Transceiver Characteristics				
Fiber length	2 km*	15 km**	40 km**	80 km**
Transmit power min	−19 dBm	−8 dBm	−5 dBm	−5 dBm
Receiver sensitivity min	−32 dBm	−29 dBm	−34 dBm	−34 dBm
Wavelength	1310 nm	1310 nm	1310 nm	1550 nm
*Multimode fiber optic cable **Single mode fiber optic cable				
Connectors				
10/100BaseTX	One (1) or Four (4) RJ-45 TX ports			
100BaseFX	One (1) or Two (2) ST or SC duplex ports			
Emissions and Safety				
Approvals: FCC Part 15 Class A, UL 1604 (US and Canada) Class I, Div 2 (Zone 2), Groups A, B, C, D, T4A CE: EN55011, EN61000-6-2,4				

Catalog No.	Model No.	Description
TS-17792-83	302MCST	10/100BaseTX to 100BaseFX Media Converter (multimode, ST style connector)
TS-17792-84	302MCSC	10/100BaseTX to 100BaseFX Media Converter (multimode, SC style connector)
TS-17803-03	305FXST	Five port (4 10/100BaseTX, 1 100BaseFX) Industrial Ethernet Switch, DIN-Rail (multimode, ST style connector)
TS-17803-04	305FXSC	Five port (4 10/100BaseTX, 1 100BaseFX) Industrial Ethernet Switch, DIN-Rail (multimode, SC Style connector)
TS-17792-94	306FX2ST	Six port (4 10/100BaseTX, 2 100BaseFX) Industrial Ethernet Switch, DIN-Rail (multimode, ST style connector)
TS-17792-95	306FX2SC	Six port (4 10/100BaseTX, 2 100BaseFX) Industrial Ethernet Switch, DIN-Rail (multimode, SC style connector)

Industrial Ethernet Switches

DIN mount plug-and-play operation

The 304TX, 306TX and 308TX industrial Ethernet switches offer compact size and smaller footprint. Housed in rugged DIN-rail enclosures, they're designed for use in industrial data acquisition, control, and Ethernet I/O applications.

- Four, six, or eight 10/100BaseTX copper RJ-45 ports
- Unmanaged operation
- Supports full/half duplex operation
- MDIX auto sensing (RJ-45)
- Auto senses speed and flow control
- LED link/activity status indication
- Redundant power inputs (10 to 30 VDC)
- Industrial DIN-rail enclosure
- Extended environmental specifications:
  – Operating temperature of −4 to 158°F (−20 to 70°C)
  – >2M hours MTBF
- Full IEEE 802.3 compliance

17792-93

SPECIFICATIONS	
Input voltage	10 to 30 VDC
Input current	250 mA @ 24 V
Operating temperature	−4 to 158°F (−20 to 70°C)
Storage temperature	−40 to 185°F (−40 to 85°C)
Operating humidity	10 to 95% (noncondensing)
Operating altitude	0 to 10,000 ft
Network media recommended wiring clearance	10BaseT >Cat 3 Cable 100BaseTX >Cat 5 Cable
Front	4" (10.16 cm)
Top	1" (2.54 cm)
Connectors	
10/100BaseTX	Four (4), six (6) or eight (8) RJ-45 TX ports
Emissions and Safety	
Approvals	FCC Part 15 Class A, UL 1604 (US and Canada) Class I, Div 2 (Zone 2), Groups A, B, C, D, T4A CE: EN55011, EN61000-6-2,4 EN6100-4-2,3,4,5,6,11

Catalog No.	Model No.	Description
TS-17793-62	304TX	4 port 10/100BaseTX Industrial Ethernet Switch, DIN-Rail
TS-17792-93	306TX	6 port 10/100BaseTX Industrial Ethernet Switch, DIN-Rail
TS-17792-96	308TX	8 port 10/100BaseTX Industrial Ethernet Switch, DIN-Rail