

10/100Base-T Industrial Ethernet Fiber Optic Switch

Model TC3715

- 6 Ethernet 10/100-Base Auto-Sensing UTP Ports
- 1 or 2 Fiber Optic 100Base-FX Ports
- One Fiber Bi-Directional Communication (optional)
- Bandwidth Control (Optional)
- Web-Based Configuration (available on Bandwidth Control versions)
- Distances up to 80km
- Multimode or Single Mode (1300/1550nm)
- Industrial Hardened (optional)
- Exceeds Pertinent NEMA & Caltrans Traffic Control Specifications
- Rackmount



TC3715 (two optical pair version shown - optional)



TC3715 (1-fiber/WDM version shown - optional)

Featuring distances up to 80km, the TC3715 10/100Base-T Ethernet Fiber Optic Switch provides up to two 100Base-FX ports that combines Ethernet Switching and Fiber Optic technology to boost total network bandwidth.

The TC3715 offers one or two multimode (1300nm) or single mode (1300/1550nm) ports and six Ethernet 10/100-Base Auto-Sensing switched ports. Each of these ports supports either 10Base-T or 100Base-T. A two-way “one fiber” single mode version is available. There are two optional versions (Model TC3715T) for extreme temperature applications (-20°C to 70°C, -40°C to 80°C).

With Bandwidth Control, the incoming and outgoing data rates on each of the 10/100 ports and optical ports can be controlled/configured via a web browser. 10 different rates can be set by the user.

Because it functions like an Ethernet bridge (connects multiple Ethernet segments to prevent unnecessary network traffic), it creates an efficient sub-divided switched LAN that provides full and transparent bandwidth for each segment.

The TC3715's modern switching technology eliminates the congestion problem inherent to the contention-oriented Ethernet CSMA/CD protocol. This improves predictable response times under heavy network loads. Previously, expensive routing technology was used to alleviate congestion from heavy traffic loads.

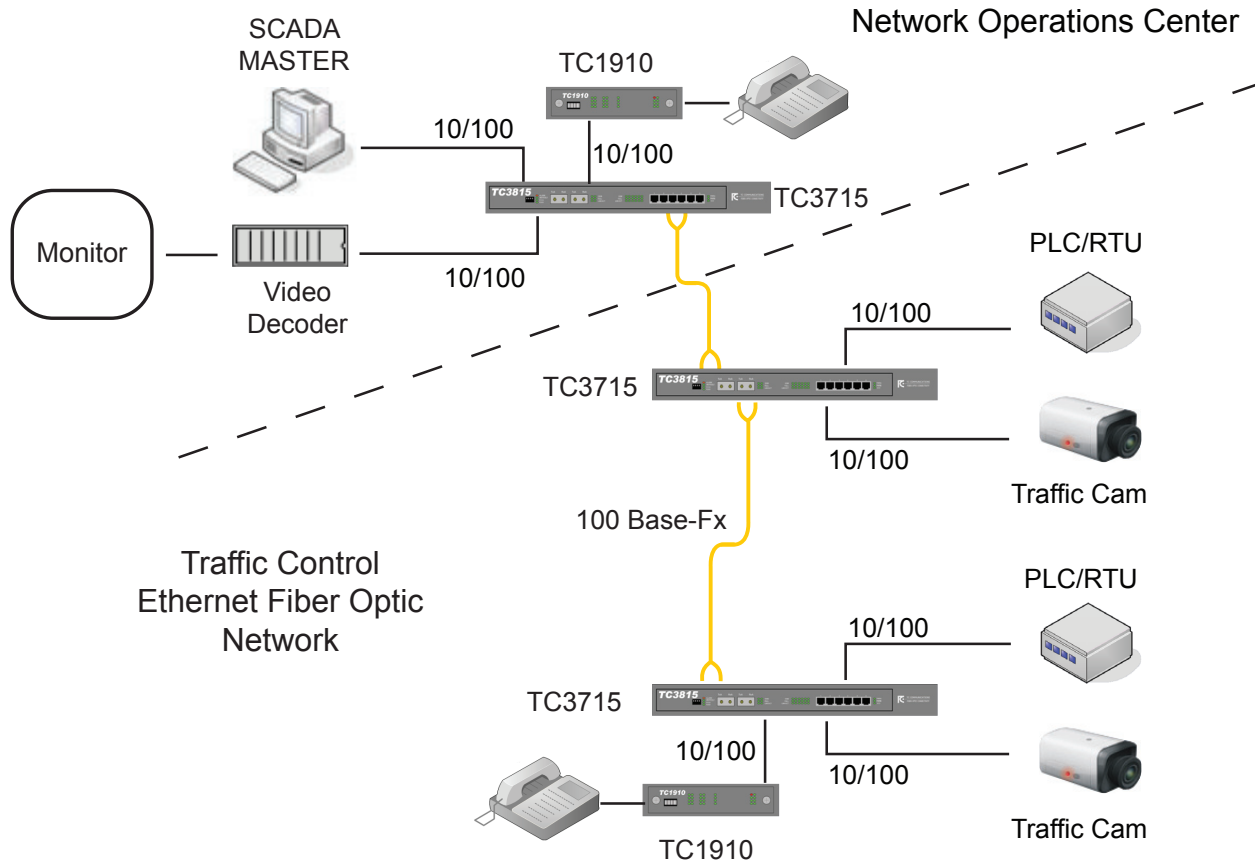
Power is 12VDC, optional 24VDC, -48VDC, 125VDC or 115/230VAC. Units are 19" rack mountable. Optical connectors can be SC, ST or FC.



Applications

The TC3715 10/100 Industrial Ethernet Switch is a low cost and flexible bandwidth solution to efficiently handle the heavy traffic of local workgroups--- reducing the need of expensive routers that usually cater to the network backbone.

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Typical Application using TC3715 10/100 Ethernet Fiber Optic Switches.

Data Rates

-10/100 Mbps (auto-sensing)
- Bandwidth Control (optional)
-128K, 256K, 512K
-1M, 2M, 4M, 8M, 32M, 64M

Optical

- TransmitterELED/LASER*
- ReceiverPIN Diode
- Wavelength
-1300nm Multimode
-1300/1550nm Single Mode
- Fiber Optic ConnectorsST
-Optional FC, SC
- Loss Budgets* -1300/1550nm
- LED/ELED....15dB MM @62.5/125µm
- LASER.....20dB SM @9/125µm
- InterfaceEthernet 100Base-Fx

Visual Indicators

- System LEDs.....PWR A, PWR B, Vcc
- Port Status (each port).....
-100M, FULL/COL, LINK/ACT

Electrical

- Switch/HUB/Bridge Ports.....6
-RJ-45 Female
- InterfaceEthernet 10/100Base-T

Power

- Standard12VDC @ 500mA
- Optional24VDC, -48VDC
-125VDC, or 115/230VAC

Temperature

- Operating.....-10°C to 50°C
- Hi-Temp (option)-20°C to 70°C
- Extreme Temp (option)..-40°C to 80°C
- Storage.....-40°C to 90°C
- Humidity.....95% non-condensing

Physical (Rackmount Unit)

- Height.....(3.53 cm) 1.39"
- Width.....(48.26 cm) 19.0"
- Depth.....(16.59 cm) 6.53"
- Weight.....(544 gm) 1.2 lbs

*Contact factory for higher requirements



ISO 9001
QMI-SAI Global
#1045959

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