

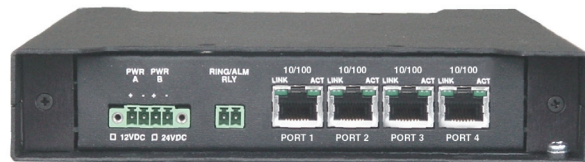
10/100Base-T Ethernet Fiber Optic Switch

Model TC3705

- 4 Ethernet 10/100-Base Auto-Sensing UTP Ports
- 1 Fiber Optic 100Base-FX Port
- Distances up to 80km
- Multimode or Single Mode (1300/1550nm)
- Full or Half-Duplex Operation
- Hardened Temperature (optional)
- Exceeds Pertinent NEMA & Caltrans Traffic Control Specifications
- Rackmount or Stand Alone



TC3705S Standalone Unit (Front View)



TC3705S Standalone Unit (Rear View)

Featuring distances up to 80km, the TC3705 10/100Base-T Ethernet Fiber Optic Switch provides a 100Base-FX port that combines Ethernet Switching and Fiber Optic technology to boost total network bandwidth.

The TC3705 offers one multimode (1300nm) or single mode (1300/1550nm) ports and four Ethernet 10/100-Base Auto-Sensing switched ports. Each of these ports supports either 10Base-T or 100Base-T. There are two additional optional versions for extreme temperature applications (-20°C to 70°C, -40°C to 80°C).

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.

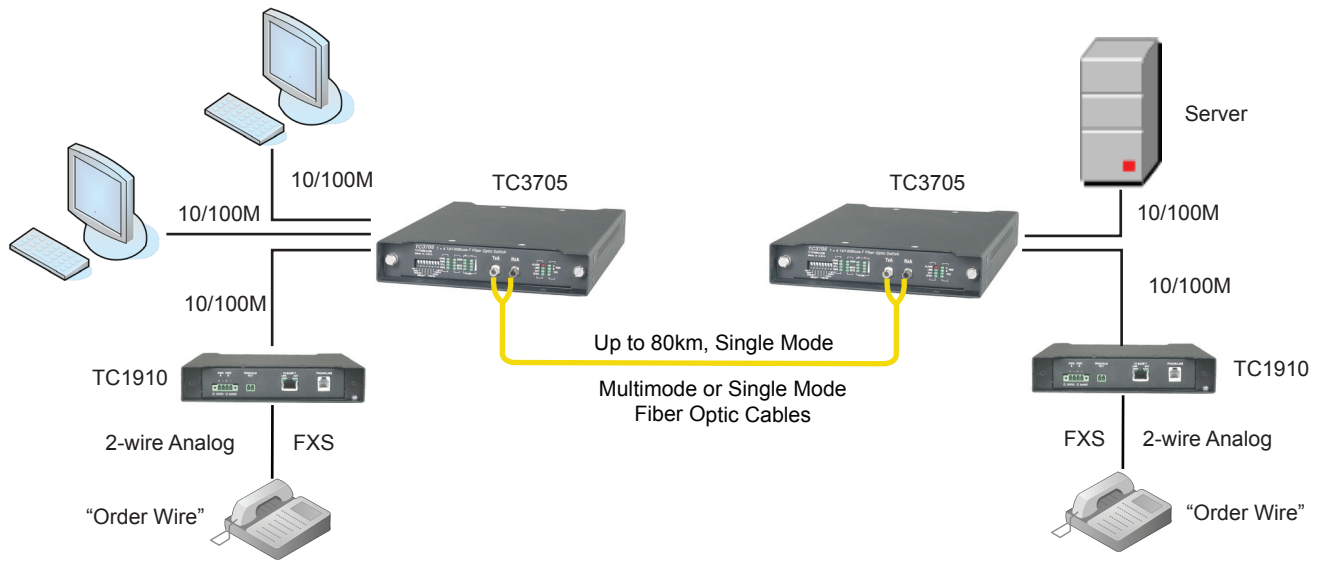
The TC3705's modern switching technology eliminates the congestion problem inherent to the contention-oriented Ethernet CSMA/CD protocol. This improves predictable response times under heavy network loads. Previously, expensive routing technology was used to alleviate congestion from heavy traffic loads.

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



The TC3705 10/100 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 TC3705 Ethernet Fiber Optic Switches.

Data Rates

.....10/100 Mbps

Optical

- Transmitter.....LED/ELED/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

Visual Indicators

- System LEDs ...Power (1), Status (10)
- Port Status (each port)..10/100, Act, Link, Tx, Rx, Act, Speed

Electrical

- Switch/HUB/Bridge Ports.....4
-RJ-45 Female
- InterfaceEthernet 10/100Base-T
- EmissionFCC Class A
- SafetyCSA

Power

- Standard12VDC @ 500mA
- Optional24VDC, -48VDC
-115/230VAC with power cube

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 (Stand Alone Unit)

- Height.....(3.53 cm) 1.39"
- Width.....(18.13 cm) 7.14"
- 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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