

Managed Gigabit 2+2 Ethernet Switch

Model TC3340

- 2 Ports 10/100/1000Base-TX (UTP) & 1000Base-SX/LX
- Optical Redundancy (ring “self-heals” within 38 msec.)
- Ethernet Rate Limit, VLAN & QoS
- Built-In Power & Temperature Sensors
- Remote Optic Measurements (e.g. Transmit Power & Receive Power)
- Network Management (Web, SNMP, Console & Telnet)
- SM/MM & Bi-Directional SFP Optics
- Extreme-Temp (-40°C to 80°C) & Hi-Temp (-20°C to 70°C) Options
- IEC 61850-3, IEEE 1613 & NEMA TS-2
- Power: 12 VDC, 24VDC, -48VDC or 115/230VAC



TC3340 Standalone

For deal for mission critical fiber optic ring networks, the TC3340 Managed Gigabit 2+2 Ethernet Switch provides maximum reliability through its sophisticated redundant ring technology. If a fiber cable or device failure occurs, the data path automatically switches over within 38 msec. to the secondary path to maintain ring network integrity.

The TC3340 also converts 10/100/1000Base-TX (UTP) and 1000Base-SX/LX fiber optic networks. Two copper RJ-45 ports and two SFP* slots are provided. The SFP ports support 850nm multimode and 1300/1550 single mode. The TC3340 supports distances up to 100km (single mode laser) and is available with a “one fiber, bi-directional” option to maximize fiber optic cable usage.

The TC3340 offers a wide variety of advanced networking features including rate limiting, diagnostics and security. Rate Control gives users, especially data service providers, the ability to control or limit bandwidth. For example, rates can be limited to 32Kb, 64Kb, 256Kb, 512Kb, 1Mb, 2Mb, etc.

Diagnostics include unique features such as built-in Power and Temperature monitoring sensors and remote optical measurements for Transmit Power & Receive Power. Standard diagnostics include monitoring traffic statistics, fiber ring status, alarm conditions, etc. Security features include Password Protection, Multiple User Groups and IP Aliasing.

Management is accessed via Web, SNMP, Telnet, or Serial Console. Configuration settings can be saved and loaded to simplify network administration, and firmware can be remotely upgraded. Virtual LAN (VLAN), QoS and Network Time Protocol (NTP) are supported.

The Industrial Hardened version supports temperature ranges from -40°C to 80°C and meets or exceeds all pertinent industrial environmental specifications including IEC 61850-3, IEEE 1613, NEMA TS-2, etc. Standard temperature range is -10°C to 50°C; high temperature version is -20°C to 70°C. Power redundancy is standard and source options include 12 VDC, 24VDC, -48VDC or 115/230VAC. The TC3340 is available in a standalone or wall-mount version.

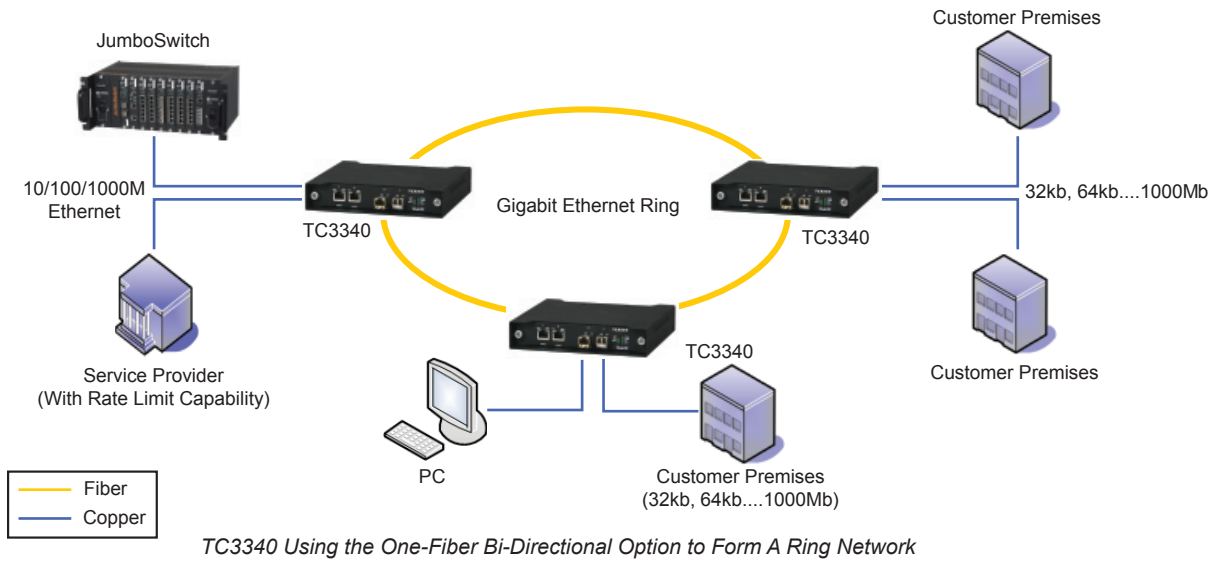
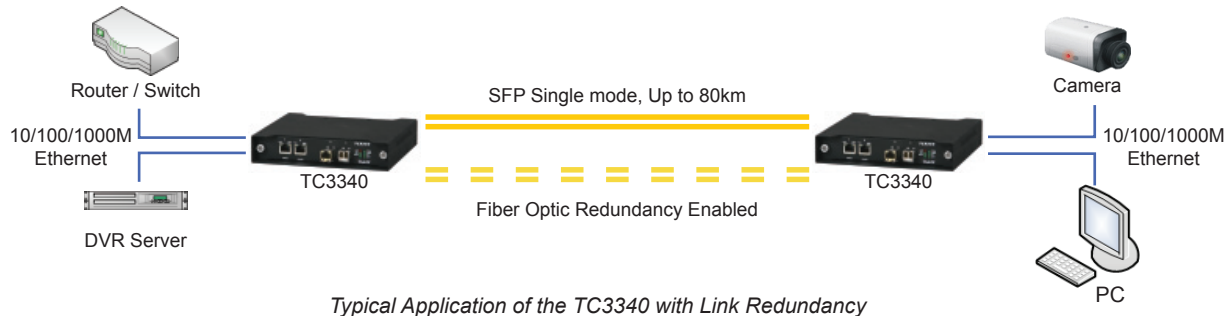
*SFP Transceiver not included



Applications

The TC3340 is a compact Gigabit Switch solution for both industrial automation and commercial networks because it offers a wide range of advanced networking features including Redundancy, Rate Limiting, Diagnostics, Security and Industrial Hardened capability. It is also used by Data Service Providers for its rate limiting; one fiber, bi-directional; and, media conversion capabilities.

TC Communications, Inc.
17881 Cartwright Rd. Irvine, CA 92614 U.S.A.
Tel: (949) 852-1972, Fax: (949) 852-1948
Sales: (800) 569-4736
Web Site: www.tccomm.com
E-mail: sales@tccomm.com



Data Rates

-10/100/1000 Mbps
-with Rate Control

Optical

- Transmitter.....ELED/LASER*
- Receiver.....PIN Diode
- Wavelength
-SFP: 850nm MM
-SFP: 1300/1550nm SM
- SFP Optic Connectors.....LC
- Loss Budget* - 1300/1550nm
- Multimode @62.5/125µm.....15dB
- Single Mode @9/125µm20dB*

Electrical

- Connector.....RJ45 (10/100/1000M)
-SFP: RJ45 (1000M)
- Interface.....Ethernet

LEDs

- ALM, LINK, FULL, 1000M, PWR A, PWR B, VCC, DFLT

System

- Bit Error Rate1 in 10¹⁰ or better

Diagnostic Functions

-Traffic Statistics
-Transmit Power / Receive Power
-Temperature

Alarm

- Dry Contact.....Normal OPEN

Power

- Standard12W
- Optional24, -48 or 115/230VAC (w/ external cube)

Temperature

- Operating-10°C to 50°C
- High Temp.....-20°C to 70°C
- Extreme Temp-40°C to 80°C
- Storage-40°C to 90°C
- Humidity95% non-condensing

Physical

- 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

TC Communications, Inc.
17881 Cartwright Road
Irvine, CA 92614 U.S.A.
Factory Tel: (949) 852-1972
Fax: (949) 852-1948

Sales Office
U.S.A. Domestic International:
(800) 569-4736 (949) 852-1973

Web Site: www.tccomm.com
E-mail: sales@tccomm.com