

8 Port UTP 10/100Mbit/s Ethernet SNMP Managed Switch With Fibre Uplink



This very easy-to-install Ethernet SNMP managed switch has 8 UTP/STP 10/100Mbit/s copper ports and 1 high speed fibre up-link port. The unit is ideal for connecting workgroups and clusters of users to distant switches and servers using fibre cabling for distance, security or electrical isolation purposes. Applications include industrial sites, technical work groups, campus, fibre-to-the-apartment and secure government applications.

This professional grade SNMP managed wire-speed LAN switch easily connects user clusters and workgroups to remote switches, routers and servers using a high-speed optical fibre link. The switch has all the functions of a high-end switch but in a compact, highly cost-effective format.

Meeting all the relevant industry standards for 10Mbit/s and 100Mbit/s Fast Ethernet, installation is 'plug-and-play' and requires little or no technical knowledge.

This switch can be managed in a wide range of ways via TELNET, SNMP, console and Web Browser interfaces. These methods greatly simplify management of remote units.

Traffic features including MAC address security, VLANs, IGMP snooping and programmable Quality of Service priorities enable the switch to be used in many demanding applications.

Where more than 8 UTP Ethernet managed ports are needed, then a 24 port SNMP managed switch.

Features:-

- Fully compatible with 10Base-T, 100Base-TX Fast Ethernet and 100Base-FX fibre standards
- Available with either multimode or singlemode fibre uplinks
- MT-RJ, SC and ST connectors
- Supports full or half-duplex auto-negotiation together with N-Way capability on the UTP ports
- Auto-MDI/MDI-X eliminates the need for RJ-45 crossover cables
- Managed and controlled from a Console port, TELNET, SNMP or Web Browser
- VLANs, IGMP and QoS support
- Static MAC address port security for critical applications
- Broadcast storm controls
- Programmable Port Mirroring
- Comprehensive LED indicators
- Simple to install and maintain
- Very cost-effective solution.

8 Port UTP + Fibre Uplink Ethernet SNMP Switch

Ports	8 x 10/100Mbit/s UTP and 1 x 100Base-FX fibre
Interface standards	IEEE802.3 & IEEE802.3u Ethernet at 10/100Mbit/s
UTP Copper interface	8 x Shielded RJ-45 ports with Auto MDI/MDI-X sensing
UTP Port data rates	10Mbit/s and 100Mbit/s auto-negotiation
UTP Duplex mode	Full or half-duplex auto-negotiation and N-Way
Fibre uplink interface	1 x 100Base-FX port at 1310nm wavelength
Fibre connections	Multimode SC, ST or MT-RJ and Singlemode SC
Fibre types	Multimode 50/125, 62.5/125 and Singlemode 9/125
Optical budget	12dB multimode, 12 dB singlemode
Fibre working range	2km for multimode, 30km for singlemode (Full duplex.)
Max. forwarding rate	14,880pps (10Mbit/s) or 148,800pps (100Mbit/s)
MAC table size	8191 entries, auto-ageing and learning
Packet buffer size	2Mb
Management	<ul style="list-style-type: none"> • Console menu via RS232 port on rear of switch • TELNET session for remote management • SNMPv1 via MIBs and RMON MIB (1,2,3 and 9) • Web Browser graphical interface
Management security	Passwords and SNMP community strings
Multicast support	IGMP snooping and support for 256 multicast groups
Link/System Resilience	Spanning Tree Protocol on all ports
VLANs	Up to 256 Port and IEEE802.1Q VLANs, GVRP support
Port Trunking	Supports IEEE802.3ad and LACP on up to 4 ports
Software update	Remote or local using TFTP on the network
Internal Power Unit	100 to 240v AC, 50/60Hz at 17 Watts maximum
Emissions	Complies with FCC Class A and CE Class A.
Safety	CE, UL
Temperature	0...45°C, humidity 10% to 90% non-condensing
Mounting methods	Standalone or 19" rackmount with optional brackets
Dimensions	250mm x 132mm x 37mm (L x W x H) at 1.3Kg

Order Codes

• 8 Port UTP 10/100M SNMP Switch with SC multimode port	0-1591074-x
• 8 Port UTP 10/100M SNMP Switch with ST multimode port	0-1591076-x
• 8 Port UTP 10/100M SNMP Switch with MT-RJ multimode port	0-1591078-x
• 8 Port UTP 10/100M SNMP Switch with SC singlemode port	0-1591080-x
• 19" Rackmount Bracket Set	0-1591068-0

x = Country/Region suffix code as specified below:-

1 = USA and Canada	5 = Denmark
2 = Europe ex. Italy, Denmark, Swiss.	6 = Australia and New Zealand
3 = Switzerland	7 = UK, Ireland, Singapore
4 = Italy	8 = India, South Africa

Contact:-
Tyco Electronics,
Kinmel Park,
Rhyl,
Denbighshire,
LL18 5TZ, UK.

Tel. +44-1745-589290
 Fax. +44-1745-589345

lan-electronics.com