

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



This very easy-to-install Ethernet smart switch has 8 UTP/STP 10/100Mbit/s copper ports and 1 fibre uplink port. The unit is ideal for connecting workgroups and clusters of users to distant switches and servers. Fibre cabling can be used when the distance between the users and the server exceeds the 100m distance constraints of copper UTP cabling or if electrical isolation is needed for applications including industrial sites, campus and secure government applications.

This professional grade managed LAN switch connects workgroups to remote switches, routers and servers using a high-speed optical fibre link.

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

Support for the major fibre connector standards including ST, MT-RJ and SC simplifies installation into new and legacy cabling systems.

This compact standalone switch includes an internal AC power unit to further improve the overall reliability of the system. The switch has a metal case that provides increased protection in difficult locations.

Where more than 8 UTP ports are needed, then 16 and 24 port fibre uplink workgroup switches are also available together with matching fibre media converters.

Features:-

- Fully compatible with 10Base-T, 100Base-TX Fast Ethernet and 100Base-FX fibre standards
- Available with either multimode or singlemode fibre uplinks
- 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
- LED indicators for monitoring and diagnostics
- Console management port controls ports and VLANs
- Meets international safety and EMC approvals
- Very simple to install and maintain
- Compact size and very cost-effective solution.



8 Port UTP + Fibre Uplink Ethernet Smart 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	
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 (F-Dup.)	
Optical wavelength	1310nm	
Max. forwarding rate	14,880pps (10Mbit/s) or 148,800pps (100Mbit/s)	
Forwarding method	Wire-speed store-and-forward	
MAC table size	4095 entries, auto-ageing and learning	
Management	Menu system via RS232 link on rear of switch	
Management controls	7 VLANs, Port duplex and auto-negotiation modes	
Diagnostic indicators	Power	Fibre link activity
	UTP speed (10/100M)	UTP Full or half duplex
	UTP port activity/Link	Full or half duplex fibre
Power	100 to 240v AC, 50/60Hz at 6 Watts maximum	
Power unit	Internal PSU	
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 desktop format	
Dimensions	250mm x 132mm x 37mm (L x W x H)	
Weight	1.0kg	

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Order Codes

- 8 Port UTP 10/100M Smart Switch with SC multimode port **0-1591038-x**
- 8 Port UTP 10/100M Smart Switch with ST multimode port **0-1591040-x**
- 8 Port UTP 10/100M Smart Switch with MT-RJ multimode port **0-1591042-x**
- 8 Port UTP 10/100M Smart Switch with SC singlemode port **0-1591044-x**

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

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|---------------------------------------|-------------------------------|
| 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 |

For example, the 8 Port UTP 10/100M Smart Switch with SC multimode port for Italy has the order code:- 0-1591038-4