

16 and 24 Port Low Cost Copper S/UTP 10/100Mbit/s Ethernet Switches



These very cost-effective, compact and easy-to-install Ethernet switches have 16 or 24 UTP/STP 10/100Mbit/s copper ports. The un-managed switches are ideal for connecting workgroups and clusters of users to routers and servers. These switches deliver very high performance networking at an exceptionally good price.

These professional grade wire-speed Ethernet LAN switches connect workgroups to switches, routers and servers using a copper 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 or user configuration. The ports have Auto-MDI/MDI-X sensing which eliminates the need for cross-over cables.

The switches can be easily mounted into 19" racks using the 2 supplied brackets.

These compact standalone or rack-mountable switches have an internal AC power unit to improve the overall reliability of the system. A metal case provides increased protection and screening for difficult locations.

Fibre optic media converters are also available together with SNMP 24 port Ethernet 10/100Mbit/s LAN switches.

Features:-

- Fully standards compliant
- Supports full or half-duplex auto-negotiation
- Auto MDI/MDI-X eliminates the need for cross-over cables
- Supports large Ethernet packets
- Wire-speed store and forward architecture
- LED indicators for status monitoring and diagnostics
- Meets international safety and EMC approvals
- Very simple to install and maintain. No user configuration
- Mount in 19" racks using the supplied brackets
- Internal power supply unit
- Compact and robust metal case
- Very cost-effective units.



16 and 24 Port Low Cost Ethernet Switches

Ports	16 or 24 x 10/100Mbit/s depending on model	
Interface standards	IEEE802.3 & IEEE802.3u Ethernet at 10/100Mbit/s 10Base-T and 100Base-TX	
Copper interface	16 or 24 x Shielded RJ-45 ports depending on model	
Port data rates	10Mbit/s and 100Mbit/s auto-negotiation N-Way	
Duplex mode	Full or half-duplex auto-negotiation	
Port connection	Auto MDI/MDI-X sensing on each port	
Cabling support	10Mbit/s:- Category 3, 4 and 5 UTP or STP 100Mbit/s:- Category 5 UTP or STP	
Backplane Speed	3.2Gbps – 16 port	4.8Gbps – 24 port
Max. forwarding rate	14,880pps (10Mbit/s) or 148,800pps (100Mbit/s)	
Forwarding method	Wire-speed store-and-forward	
Flow control	Back-pressure and flow control	
MAC table size	8 kb entries, auto-ageing and learning	
Packet buffer size	512Kb on 16 Port switch, 1.25Mb on 24 Port switch	
Supported packet size	64 to 1522 bytes	
Diagnostic indicators	Link/Activity LED indicators for each S/UTP ports	
Power	100 to 240v AC, 50/60Hz auto-ranging	
Power unit	Internal PSU	
Power consumption	19 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	10" or 19" Rackmount, standalone or desktop format	
Mounting brackets	Supplied with 19" brackets	
Switch dimensions	250mm x 133mm x 37mm (L x W x H)	
Enclosure type	Ventilated metal box	
Weight	2.0kg	

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Order Codes For The Switches And Brackets

- 16 Port UTP 10/100Mbit/s Low Cost Ethernet Switch 0-1591070-x
- 24 Port UTP 10/100Mbit/s Low Cost Ethernet Switch 0-1591072-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 |