

16 and 24 Port 10/100Mbit/s Ethernet Smart Switch II With Optional Dual Fibre Uplink



This very easy-to-install Ethernet managed switch has 16 or 24 UTP/STP 10/100Mbit/s copper ports and 1 optional 100MB/s or Dual Gigabit fibre uplink port. The unit is ideal for connecting larger workgroups and clusters of users to distant switches and servers. Support for a range of advanced functions such as port based VLANs, Quality of Service and port programmability allow the switch to be used in a broad range of applications from simple workgroups through to secure, real-time data systems.

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 100Mbit/s Fast Ethernet, installation is 'plug-and-play' and requires no technical knowledge.

The switch supports a range of optional fibre uplink modules with ST, and SC formats. Dual uplinks can also be provided with support for Gigabit Sx, Lx.

Support for programmable QoS either through port based, IPTOS/DiffServ or 802.1p priority tag is available. A dual level queue system is used that allows critical VoIP traffic to be serviced before lower priority traffic.

This compact stand-alone or rack-mountable switch has an internal AC power unit to further improve the overall reliability of the system. A metal case provides increased protection and screening for difficult locations.

Features:-

- Fully standards compliant
- Optional dual or single fibre uplink module only needs to be fitted if fibre link is required
- Fully managed smart switch II through the RS232 console port
- Supports up to 26 port-based VLANs
- Supports QoS (802.1p, DiffServ and port based)
- Programmable port speeds and duplex modes
- Supports full or half-duplex auto-negotiation together with N-Way capability on the RJ45 ports
- Auto-MDI/MDI-X support on each copper port
- Meets international safety and EMC approvals
- 2.5 Mb/s Memory buffer
- 8K MAC with Auto learning
- High speed 8.8Gb/s Back Plane.

24 Port Ethernet + Optional Fibre Uplink Switch

Ports	16 or 24 x 10/100Mbit/s RJ45 and 1 x Single or dual fibre plug-in port
IEEE standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ad, IEEE802.1p, IEEE802.3x
RJ45 Copper interface	16 or 24 x Shielded RJ-45 ports
RJ45 Port data rates	10Mbit/s and 100Mbit/s auto-negotiation
RJ45 Duplex mode	Full or half-duplex auto-negotiation and N-Way
RJ45 Port Mode	Auto MDI/MDI-x
Fibre uplink interface	Optional 1 x single 100Base-FX(ST, MM, SC MM SC SM) or Dual Gigabit fibre plug-in module (Sx SC or Lx SC)
Fibre Modules	Multimode SC, ST and Singlemode SC
Fibre Types	Multimode 50/125, 62.5/125 and Singlemode 9/125
Bandwidth control	Ingress and Egress control.
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	8K, auto-ageing and learning
Management	RJ-45 Port control using RS232 console on front panel
Number of VLANs	Up to 26
3 types of QOS	Port Based, TCP/IP TOS/DiffServ and 802.1p
Diagnostic indicators	LED indicators for each RJ45 port and the fibre port
Power	100 to 240v AC, 50/60Hz at 20 Watts maximum
Power unit	Internal PSU
Emissions	Complies with FCC Class A and CE
Safety	UL. CUL. CE/EN60950
Temperature	0...45°C, humidity 10% to 90% non-condensing
Mounting methods	19" Rackmount, standalone or desktop format
Mounting brackets	Supplied with 2 x 19" brackets
Switch dimensions	440mm x 161mm x 44mm (L x W x H)
Weight	2.5kg

Order Codes For 16 and 24 Port Smart Switch II

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|---|-------------|
| • 24 Port 10/100Mbit/s Ethernet Smart Switch II | 0-1591093-x |
| • 16 Port 10/100Mbit/s Ethernet Smart Switch II | 0-1591047-x |

Plug-In Option Modules For 16 and 24 Port Smart Switch II

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|---|-------------|
| • 100Fx SC Multimode Fibre Plug-In Option Module | 0-1591094-0 |
| • 100Fx ST Multimode Fibre Plug-In Option Module | 0-1591095-0 |
| • 100Fx SC Singlemode Fibre Plug-In Option Module | 0-1591096-0 |
| • Dual Gigabit Multimode Sx Plug-In Option Module | 0-1591097-0 |
| • Dual Gigabit Singlemode Lx Plug-In Option Module | 0-1591098-0 |
| • Dual Gigabit Copper 1000BaseT Plug-In Option Module | 2-1591019-0 |

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 |
| | 8 = India, South Africa |