

ETHERNET

SWITCH



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ETHERNET Switch is an industrial Layer 2 Switch that can operate with ETHERNET-based devices. It is compatible with industrial environmental conditions. It is electrically safety and has EMI/EMC Compatibility. It can be used in several industrial applications with its wide operating temperature range and resistance to shock and vibration.

ETHERNET Switch has a 5.6-Gbps throughput with 2 Fiber/Gigabit ETHERNET Ports and 8 Fast ETHERNET Ports. For ease of operational usage and maintenance, it can be easily configured through TELNET, CLI, and WEB Interface. It is a perfect solution for traffic control and Monitoring Systems in buildings, factories, and cities.

Basic Features

- Operating Temperature Range:-40°C ~ +70°C
- Resistance to Shock and Vibration
- 2 Fiber/Gigabit Ports and 8 Fast ETHERNET Ports
- PoE & PoE+ Compatibility
- EMI/EMC Compatibility
- Flow Control and IGMP Snooping
- Protection for High Current / High Voltage
- SNMP v1 / v2 / v3
- Upto 8K MAC Address Table
- IP Validation through Remote Control
- QoS (Quality of Service), IEEE 802.1p, ToS (Type of Service), and DiffServ (Differentiated Services) capabilities
- IPv4 & IPv6 Support
- 1000Base-T & 1000Base-LX/SX/ZX via SFP
- Combo Ports
- Full-Duplex & Half-Duplex ETHERNET
- Auxillary Power Input
- VLAN Tagging
- STP, RSTP
- Link Aggregation
- RMON (Remote Network Monitoring)
- Port Mirroring
- Configuration through TELNET, SSH, CLI, and WEB Interface
- Natural Cooling: No Fan

Physical Characteristics

Dimensions (mm)	65 x 160 x 107,5 (±8mm)
Weight	700g (±2g)
Color	Gray
Mounting	DIN Rail, Wall-Mount

Environmental Characteristics

Operating Temperature	-40°C , +70°C
Storage Temperature	-55°C , +125°C
Humidity	5% to 95% (Non-Condensing)
IP Protection Class	IP30
EMI/EMC Compatibility	FCC Class A, CE EN61000-4-2, CE EN61000-4-3, CE EN-61000-4-4, CE EN-61000-4-5, CE EN-61000-4-6, CE EN-61000-4-8, CE EN-61000-4-11, CE EN-61000-4-12, CE EN-61000-6-2, CE EN-61000-6-4,
Safety	UL, CE/EN60950-1
Robustness	IEC60068-2-32 (Falling) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)

Design Features

Hardware Architecture

CPU	ARM9 Core
RAM	128 MByte
ROM	128 MByte
NVM	64 KByte
Switching Fabric	5.6 Gbps
Transfer Rate	14,880pps ETHERNET Port 148,800pps Fast ETHERNET Port 1,488,000pps Gigabit Fiber ETHERNET Port
Packet Buffer	1MBit Frame Buffer Memory

Software Architecture

Configuration	SNMP, WEB, CLI, TELNET, PC, and USB Dongle
Remote File Transfer	Upload/Download through TFTP