

ITSEXPRESS
ITS-8028

Industrial 28-port rack-mount managed Hardened Layer 2 Ethernet switch

*A versatile, cost effective
rack mount Layer 2 Switch
featuring IGMP V1,V2, V3*

*Send Notifications to your
Mobile devices with
email capabilities*

*4x 100/1000 Hybrid SFP
Ports Optical Monitoring
Email Alerts!
Multicast Filtering
56GB Backbone*

*The most reliable choice
for hardened environments
and Gigabit Fiber Ethernet
application*

*ITS Express switches have
been specifically engineered
to handle the demands of
the daily challenges of the
real time rigorous ITS Multi-
Cast environment*

Ships With Two Optics



ITS EXPRESS 8028

- Exceeds NEMA TS2
- 56GB Backbone Performance
- Optical Monitoring With Mapping Capabilities
- 24x 10/100/1000TX RJ45's & 4x1000-X SFP Ports
- Layer 2++ Managed Hardened IGMP Video Switch
- Email notifications For Fiber Outages, Port Down, ETC.
- Event Notification: Email SMTP, Syslog, SNMP & Relay Output
- Fast ITS Ring Recovery Time < 10ms over 250 units of connections
- Multiple Configurations: Web Browser, Telnet, CLI, CLI Menu
- Easy to Configure, Web interface designed by ITS users
- Designed For Heavy Multi-Cast in Harsh environments
- Mix and Match Multimode and Single Mode Fiber
- Full Layer 2+ Management, 802.1x Authentication
- Optical Monitoring With Mapping Capabilities
 - 4x 1000 Speed Hybrid SFP Combo Ports
 - Remote Monitoring Technology
 - 19 Inch Rack Mountable Design

Now Featuring sFlow

sflow

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ITS Express 8028 Specification

Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
Protocols	CSMA/CD
Processing	Store and Forward switching
Connectors	4x 1000 SFP Ports Plus 24x Combo 100/1000 TX Base RJ45's
Redundant Input Power	100 ~ 240 VAC
Memory Buffer	128 Kbytes
Jumbo Frames	Max 9K bytes jumbo frame support
Backplane	56 GBPS
Security Features	Device Binding security feature, Enable/disable ports, MAC based port security, Port based network access control (802.1x), VLAN (802.1Q) to segregate and secure network traffic, Radius centralized password management, SNMPv3 encrypted authentication and access security Https / SSH enhance network security
Power Supply	Dual DC inputs. 12~48VDC on 6-pin terminal block
Power Consumption	36 Watts
Operating Temperature	-40oC ~ 85oC (No Fans)
Dimensions	443.7 (W) x 200 (D) x 44 (H) mm
EMI	FCC Part 15, CE EN61000-4-2 (ESD) , CE EN61000-4-3 (RS) , CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS) , CE EN61000-4-8, CE EN6100-4-11
Weight	2700g

Features:

Management: SNMP v2c, v3/ Web/Telnet/CLI/Menu Driven** Management

Software features: ITS/STP/RSTP/MSTP (IEEE 802.1D/w/s), Redundant Ring with recovery time less than 10ms over 250 units ,TOS/Diffserv supported

sFlow: network enabling performance optimization.

Switch Properties: Switching latency: 7 us, Max. Number of Available VLANs: 256,

IGMP multicast groups: 128 for each VLAN (256)

Port rate limiting: User Define

Security Features: Device Binding security feature, Enable/disable ports, MAC based port security, Port based network access control (802.1x), VLAN (802.1Q) to segregate and secure network traffic, Radius centralized password management, SNMPv3 encrypted authentication and access security

VLAN: VLAN (802.1Q) with VLAN tagging and GVRP supported IGMP v1, v2 & v3 snooping for multicast filtering Port configuration, status, statistics, monitoring, security

RS232 Serial Console Port: RS-232 in DB9 connector with console cable. 115200bps, 8, N, 1

Network Redundancy: ITS-Ring, STP, RSTP and MSTP

Firmware Update: Supports TFTP firmware update, TFTP backup and restore.

QOS: Quality of Service (802.1p) for real-time traffic

Spanning Tree: Supports IEEE802.1D/w/s Spanning Tree Protocol's

Port Configuration: Status, statistics, monitoring, security

Warranty: 5 Years