

ITSEXPRESS
ITS-8020+

*Advanced Cost Effective Hardened Layer 2 Multicast Switch

Versatile & affordable hardened Layer 2 switch featuring IGMP V1, V2, V3 .

Send notifications to your Mobile device with email capabilities

3 100/1000 Hybrid SFP Ports Optical Monitoring Multicast Filtering 8.6 GB Backbone Email Alerts!

Designed and influenced by some Of the brightest ITS personnel in the industry

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 G.32 Compatible

sflow



ITS EXPRESS 8020+

***New 2013 Chipset Advancements!**

Industrial 10-port Layer 2 Managed Ethernet switch Designed For Harsh Multi-Cast Environments

**7 - 10/100 Base-TX
3 - 10/100/1000 TX Combo
100/1000SFP socket**

Real Time Critical Monitoring!

Exceeds Competition Specifications!

Send Email Notifications Directly From the Switch!

Mapping Capabilities With Most Popular Traffic Control Software

- Optical Monitoring With Mapping Capabilities
- Layer 2+ Managed Hardened IGMP Video Switch
- Email notifications For Fiber Outages, Port Down, ETC.
- Multiple Configurations: Web Browser, Telnet, and CLI
- Mix and Match Fiber 100/1000 Plus Multimode / Single
- 7 Port 10/100 TX Copper Ports with 8.6GBPS Back-Plane
- Event Notification: Email SMTP, Syslog, SNMP & Relay Output
- Fast ITS Ring Recovery Time 10ms over 250 units of connections
- Easy to Configure, Web Interface designed by ITS users
- Designed For Heavy Multi-Cast in Harsh environments
- Full Layer 2+ Management, 802.1x Authentication
 - Mode Fiber and BX Single Strand Fiber too!
 - Supports IGMP V1, V2, V3 and SNMP V3
- Exceeds NEMA TS-2

**Distributed By:
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ITS Express 8020+ Specification

Standards	IEEE Std. 802.3 10BASE-T; IEEE Std. 802.3u 100BASE-TX and 100BASE-FX; IEEE Std. 802.3z 1000BASE-X; IEEE Std. 802.3ab 1000BASE-T; IEEE Std. 802.3x Flow; IEEE Std. 802.3ad Port trunk with LACP; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1w Rapid spanning tree; IEEE Std. 802.1p Class of service; IEEE Std. 802.1q VLAN Tagging; IEEE Std. 802.1x user authentication; IEEE Std. 802.1s MSTP; IEEE Std. 802.1ab LLDP
Protocols	CSMA/CD
Processing	Adaptive Cut-Through switching
Connectors	10/100 copper: 7; 1000Base-X Combo: 3
Redundant Input Power	100 ~ 240 VAC
Memory Buffer	128 Kbytes
Jumbo Frames	Max 9K bytes jumbo frame support
Backplane	8.6 GBPS
Security Features	IP Police 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
Power Supply	Dual DC inputs. 12~48VDC on 6-pin terminal block
Power Consumption	12 Watts
Operating Temperature	-40oC ~ 85oC (No Fans)
Dimensions	74.3(W) x 109.2(D) x 153.6(H) mm (2.93x4.3x6.05 inch)
EMI	FCC Class A, CE EN61000-4-2, CE EN61000-4-3, CE EN-61000-4-4, CE EN61000-4-5, CE EN61000-4-6, CE EN61000-4-8, CE EN6100-4-11 CE EN61000-4-12, CE EN61000-6-2, CE EN 61000-6-4 & NEMA TS-2 (traffic control equipment)
Safety Compliance	UL, cUL, CE/EN60950-1

Features:

Management: SNMP v1 v2c, v3/ Web/Telnet/CLI/Menu Driven** Management

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

Switch Properties: Switching latency: 7 us, Max. Number of Available VLANs: 4096, IGMP multicast groups: 256, Port rate limiting: User Define

Security Features: 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 RJ45 connector with console cable. 9600bps, 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

Port Mirror: Supports 3 mirroring types: "RX, TX and Both packet"

Warranty: 5 Years