

ITS EXPRESS
ITS-8024

Industrial 24-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*

*8x 100/1000 Hybrid SFP
Ports Optical Monitoring
Email Alerts!
Multicast Filtering
56GB Backbone*

*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*



ITS EXPRESS 8024

- 56GB Backbone Performance
 - sFlow Network Performance Optimization
 - Optical Monitoring With Mapping Capabilities
 - Layer 2++ Managed Hardened IGMP Video Switch
 - Email notifications For Fiber Outages, Port Down, ETC.
- 8x 100/1000 SFP Ports Plus 16x Combo 100/1000 SFP/1000TX RJ45's
 - 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
 - 8x 100 or 1000 Dual Speed Hybrid Fiber SFP Combo Ports
 - 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 and
 - Full Layer 2+ Management, 802.1x Authentication
 - Mix and Match 100 and 1000 Fiber
 - Remote monitoring technology
 - Exceeds NEMA TS2

Now Featuring sFlow

sflow

Copyright © 2003-2012
sFlow.org. All rights reserved

Distributed By:
Express Supply Inc.
407-497-8614
407-504-5509 Fax

info@expressupply.net
www.expressupply.net

ITS Express 8024 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	Store and Forward switching
Connectors	8x 100/1000 SFP Ports Plus 16x Combo 100/1000 SFP / 1000TX 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	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	33 Watts
Operating Temperature	-40oC ~ 85oC (No Fans)
Dimensions	431 (W) x 342 (D) x 44 (H) mm
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

sFlow: network enabling performance optimization.

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 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

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