

ITSEXPRESS

ITS 8012

Unshackle Your Network with the most versatile hardened 12 Port Layer 2 switches available

24 GB/Fiber connectivity

Designed to meet and exceed the growing demands of real time complicated ITS Networks

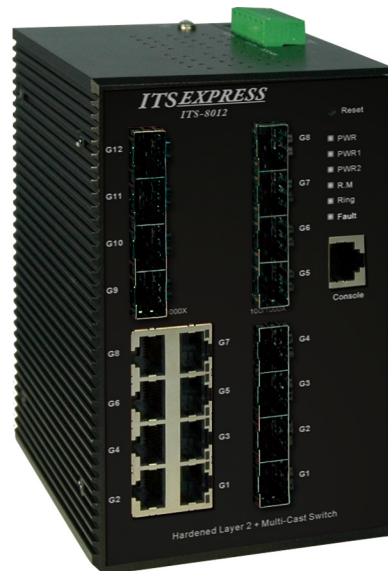
ITS Express switches have been specifically engineered to handle the demands of the daily challenges of the real time rigorous ITS Multi Cast environment

Say goodbye to being limited to SFP Options with Multi-Mode and Single Mode capabilities

Cut down on troubleshooting time with Optical Monitoring Feature

Open up your ports with 24GB Backplane, 8 10/100/1000 Ports, Dual Speed SFPs ports, optical monitoring and IGMP1,2, & 3

THE MOST VERSATILE HARDENED SWITCH AVAILABLE



Designed for high speed ITS applications and the most rugged conditions.

Full Wire Speed Hardened Multi Cast Switch 12-port Gigabit Layer 2 + Managed Ethernet Switch

Finally a switch that will allow Dual Speed Optics and Mixed MM/SM Modes

Email Notification and Optical Monitoring

IGMP 1,2, & 3 & S-Flow

8 IGMP V1, V2 and, V3

4-1000 GBPS SFP Ports

12 Port Hardened Multicast Switch

Multiple media types and speeds supported

With Built in mapping integration compatible

Real Time Optical monitoring on all 12 SFP Ports

Layer 2+ Managed Hardened IGMP Video Switch

Fast Recovery Time < 15ms over 250 units of switches

Multiple Configurations: Web Browser, CLI, Telnet and Menu CLI

Event Notification: Syslog, SMTP- Email, SNMP 1,2,3 & Relay Outputs

8 10/100/1000Copper / Dual Speed 100/1000 SFP Combo Ports

Back Plane (Switching Fabric): 24 GBPS, 8K MAC Address

Designed for Heavy Multi-Cast in extreme Climates

QoS Port-Based STP/RSTP/MSTP (IEEE 802.1D/w/s)

Full Layer 2+ Management, 802.1x Authentication

Supports IGMP Query & Snooping version 1,2 & 3

Dual Redundant Power Supply

Din rail mounting kit included

Distributed By:

Express Supply Inc.

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Specifications	
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
IGMP	V1, V2, V3
Connectors	8: 10/100/1000 TX / Dual Speed 100/1000 SFP Ports Plus 4: 1000 Base SFP
MAC Addresses	8192 MAC address table
Memory Buffer	128Kbytes
Jumbo Frames	Max 9K bytes jumbo frame support
Backplane	24 GBPS
LEDs	Power Indicator: Green : Power LED x 3, Fault indicator: Amber : Indicate excepted event occurred, 10/100/1000Base-T(X) RJ45 port indicator: Green for port Link/Act. Amber for 100Mbps indicator, 100/1000Base-X Fiber port indicator: Green for port Link/Act.
Power Supply	Dual DC inputs. 12~48VDC on 6-pin terminal block
Power Consumption	25 Watts
Operating Temperature	-40oC ~ 85oC (No Fans)
Dimensions	IP-30, 74.3mm (W) x 109.2mm (D) x 153.6mm (H) (2.93 x 4.3 x 6.05 inch)
EMI	FCC Part 15 CISPR (EN55022) class A
Safety Compliance	UL, cUL, CE/EN60950-1

Features:

Management: SNMP v1 v2, v3/ Web/Telnet/CLI/Menu Driven** Management

Software features: STP/RSTP/MSTP (IEEE 802.1D/w/s), Redundant Ring with recovery time less than 15ms over 250 units ,TOS/Diffserv supported

Switch Properties, Switching bandwidth: 24Gbps

Available VLANs: 4096,

IGMP multicast groups: 1024 Supports IGMP versions V1, V2, V3

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, Snooping for multicast filtering Port configuration, status, statistics, monitoring, security & DHCP Client

RS232 Serial Console Port: RS-232 in RJ45 connector with console cable. 9600bps, 8, N & 1

Network Redundancy: ITS-Ring, RSTP, 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".