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Introducing the New IPTECHVIEW™ / MxMSP™ - Ready Power over Ethernet (PoE) Switch

The IPT-0802V-POE device is a unique remotely controllable ruggedized industrial switch. It is IPTechView™ / MxMSP™-Ready which means integrators using these platforms as element management and remote monitoring system can fully monitor the PoE switch. This includes:

- Wattage used per port
- See device types and MAC connected on each port
- Power cycle individual ports remotely right in the platform

Main features:

- Industrial Managed Switch 8 Gigabit PoE with 2 ports plus 2 fiber SFP slots
- IPTECHVIEW™ Cloud and local management
- 240W Power budget IEEE 802.3 af/at
- Individual port power management - ideal for IP cameras and access points
- DIN rail or wall mount

Please Note: Requires 48V DC Power Adapter PLAN-PWR-120-48. Included when buying ABP's 8 or 16 port kits which also include all wiring needed. Power plug and power leads from power source to switch

Interfaces

8 x 10/100/1000 Base RJ45 Ports
2 x 1000Base-X SFP Slot
Console Port for CLI Management
1x USB 2.0 storage for firmware update, configuration, backup
restore, boot up and system log

System Performance

Packet Buffer: 12Mbits
MAC Address Table Size: 16K
Switching Capacity: 20Gbps
Forwarding Rate: 14.88Mpps

PoE Features

IEEE 802.3 af/at
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Number of PSE Ports: 8
System Power Consumption: Max. 17W
Max. PoE Budget: 240W, 30W for each PoE port
PoE Mode: Mode A (1, 2+ & 3, 6-)
Power Feeding Detecting Capability on PD
PD Classification
Power Management (per-port): Enable/Disable, Schedules,
Priority, Power Level, Overloading Protection

L2 Switch Features

Auto-negotiation
Auto MDI/MDIX
Flow Control (duplex): 802.3x (Full), Back-Pressure (Half)
Spanning Tree: IEEE 802.1D (STP), IEEE 802.1w (RSTP),
IEEE 802.1s (MSTP)
VLAN: VLAN Group 4K, Tagged Based, Port-based, Voice VLAN
Link Aggregation: IEEE 802.3ad with LACP
IGMP Snooping: v1/v2/v3, 1023 IGMP groups, IGMP Static
Multicast Addresses, Querier, Immediate Leave Storm Control
G.8032 - Ethernet Ring Protection Switching (ERPS)
Jumbo Frame Support: 9.6KB

QoS Features

CoS
DSCP
WRR/SPQ Queuing

Security

Management System User Name/Password Protection
IEEE 802.1x Port-based Access Control
RADIUS (Authentication, Authorization, Accounting)
HTTP & SSL (Secure Web)
SSH v2.0 (Secured Telnet Session)

Management

Command Line Interface (CLI)
Web Based Management
Telnet
Firmware Upgrade via HTTP
Configuration Download/Upload
SNMP (v1/v2c/v3)
RMON (1,2,3,&9 groups)
DHCP (Client/Relay/Option82)
System Event/Error Log
NTP/LLDP
Port Mirroring: One to One or Many to One

Mechanical

Input Power
DC 48~57V, Dual Redundant
Power Connection
1 removable 4-contact terminal block
Dimension (H*W*D)
72 x 145 x 118 mm
Weight
0.88KG
LED
Per unit: PWR1, PWR2, Fault, Ring Master, Ring State
Ports: Link/Active with highest speed (Green), low speed
(Amber) PoE: Output Power Button
1 multiple function reset button
Operating Temperature: -40 to 75°C
Storage Temperature: -40 ~ 85°C
Operating Humidity: 5~95% (non-condensing)
MTBF: >100,000 Hours

Industrial Standard

Alarm Contact: 1 relay output with current carrying capacity
of 1A @ 24 VDC
Reverse Polarity Protection
Overload Current Protection
Casing: IP30 protection, aluminum alloy case
EMI: FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMS: IEC61000-4-2 (ESD Level 4), IEC61000-4-3
(RS Level 3) IEC61000-4-4 (EFT Level 4), IEC61000-4-5
(Surge Level 4) IEC61000-4-6 (CS Level 3), IEC61000-4-8
(Magnetic Field Level 4)
Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Vibration: IEC60068-2-6
Green: RoHS Compliant
Installation: DIN-Rail mounting or optional wall mounting

Standards

IEEE 802.3 – 10BaseT
IEEE 802.3u – 100BaseTX
IEEE 802.3ab – 1000BaseT
IEEE 802.3z – 1000BaseSX/LX
IEEE 802.3af – Power over Ethernet (PoE)
IEEE 802.3at – Power over Ethernet (PoE+)
IEEE 802.3x – Flow Control
IEEE 802.1Q – VLAN
IEEE 802.1p – Class of Service
IEEE 802.1D – Spanning Tree
IEEE 802.1w – Rapid Spanning Tree
IEEE 802.1s – Multiple Spanning Tree
IEEE 802.3ad – Link Aggregation Control Protocol (LACP)
IEEE 802.1AB – LLDP (Link Layer Discovery Protocol)
IEEE 802.1X – Access Control
ITU-T G.8032/Y.1344 - Ethernet Ring Protection Switching (ERPS)