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

The IPT-0802V-POE device is a unique remotely controllable ruggedized industrial switch. It is IPTECHVIEW™-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)