

# Industrial Copper/Fiber/SFP Ethernet Switches

**FiberPlex FP2024E Ruggedized (IP30), 28-Port Industrial Gigabit SFP Managed Ethernet Switch**



## FiberPlex

*This mid-density 10/100/1000 industrial gigabit PoE managed switch features a variety of Power over Ethernet capabilities, Layer 3 network management and network redundancy support.*

### Overview

The FP2024E is a 28-port industrial Gigabit PoE+ managed Ethernet switch embedded with 24\*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30W/port and 4\*100/1000 SFP slots for combo RJ45/Fiber connections.

The unit is a fully manageable Layer 3 Ethernet switch. It supports Source NATs, Destination NATs, and Static Routing. It also has network redundancy function using ERPS, X-Ring (ultra-high-speed recovery time <20 ms), RSTP/STP (802.1w/1D), and MSTP.

The advanced network filtering and security functions, such as IGMP, VLAN, QoS, SNMP, port lock, RMON, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

Our 10/100/1000 PoE switches comply with industry leading safety standards, such as IEEE 802.3at and IEEE 802.3af. These industrial-managed PoE gigabit switches boast a variety of Power over Ethernet features such as scheduled power cycles, power budgeting, and port settings, as well as Light Layer 3 network management and network redundancy support.

### Applications

### Features

- **Gigabit Ethernet & POE** - Supports 24\*10/100/1000Tx IEEE 802.3 af/at PoE+ Gigabit Ports (PSE: 30W/Port) + 4\*Gigabit Copper/SFP Ports (4\*10/100/1000Tx RJ45 + 4\*100/1000 SFP Slots).
- **Flexible SFP Support** - SFP Socket for Easy and Flexible Fiber Backbone Integration.
- **Management** - SNMP v1/v2c/v3, WEB, Telnet, Standard MIB.
- **Security** - 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), HTTPS, SSH and SNMPv3.
- **Redundancy** - Proprietary Ring (Ultra-High-Speed Recovery Time < 20 ms), RSTP/STP (802.1w/1D), MSTP Does not support ERPS.
- **DC/POE Power** - 48VDC Power Input (46-57 VDC for PoE af, 53-57 VDC is Recommended for PoE at) & 2 Relay Outputs. Power Polarity Reverse Protection. Overload Current Protection.
- **Rugged Design** - Extended Operating Temperature: -40°~75°C, IP30 Protection. 1U Rackmount Chassis.



