

PTS 6226 Series



Overview

The PTS G6226 series modularized Full Gigabit advanced managed Industrial Ethernet switch is equipped with up to 26 Gigabit Ethernet ports. The "Fi Ring" redundant ring (recovery time < 20ms), RSTP, STP and 24VDC or 48 VDC, 110/220 VDC or 110/220 VAC dual isolated redundant power supplies increase the reliability of your communications. Optional front and rear wiring bring convenience for different wiring environment. All these features make PTS G6226 suitable for a variety of industrial applications.

Highlight

- IEC 61850-3 and IEEE 1613(power substation) compliant
- Modularized design, and up to 26 Gigabit ports
- Flexible ports configuration, and support any combination of full fiber optic 8 ports module and full electrical 8 ports module
- First Mile Ring Protocol "Fi Ring" (recovery time < 20ms), RSTP and STP and MSTP for network redundancy
- SNMPv3, IEEE 802.1X, HTTPS, and SSH to enhance network security
- Support VLAN and QoS
- Easy network management through web browser, CLI, Telnet/serial console SNMP
- Support the optional front or rear wiring

Features and Benefits

Ports

- Uplink:
2xCombo (2x10/100/1000BaseTX + 2x100/1000BaseX SFP slots)
- Downlink:
Up to 24 gigabit ports, 3 card slots support any combination of 8SFP and 8TX two types of cards, 8SFP is full fiber optic 8 GE ports module, and 8TX is full electrical 8 GE ports module.

Comprehensive Security

- Support 802.1X authentication
- Support MAC address authentication

High Reliability

- Support First Mile Ring Protocol "Fi Ring" (recovery time < 20ms), STP and RSTP for network redundancy
- Support LACP to expand the bandwidth of a switch port, balance the traffic among all the ports in link aggregation and enhance connection reliability.

Versatile QoS Policies

- Offer powerful hardware ACL capability
- Support different priority criteria: DSCP priority, 802.1p priority, Strict Priority(SP) and Weight Round Robin(WRR)

Management & Maintainability

- Support SNMP v1/v2c/v3 and RMON MIB Group 1, 2, 3, 9
- Support FirstMile FiVision NMS for industrial networks providing centralized management, status monitoring and trouble shooting, auto-discovery and auto-provision for incoming device

Specifications

Standards:

IEEE802.3

IEEE 802.3u

IEEE802.3z

IEEE 802.3ab

IEEE 802.3x for Flow Control

IEEE 802.1D-2004 for STP

IEEE 802.1w for Rapid STP

IEEE 802.1Q for VLAN Tagging

IEEE 802.1p for Class of Service

IEEE 802.1X for Authentication

IEEE 802.3ad for Port Trunk with LACP

Protocols:

IGMPv1/v2, GVRP, SNMPv1/v2c/v3, DHCP Client, TFTP, SNTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, SSH, SNMP Inform, LLDP, SNTP Server/Client

MIB:

MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9

Flow Control:

IEEE802.3x flow control, back pressure flow control

Switch Properties:

Priority Queues: 4

Max. Number of Available VLANs: 4094

VLAN ID Range: VID 1 to 4094

IGMP Groups: 256

MAC Table Size: 8K

Packet Buffer Size: 2 Mbit

Interface:

Fiber ports: 100FX / 1000-X SFP slots

RJ45 ports: 10/100/1000 TX

Console port: RS-232 (RJ45 connector)

Alarm Contact:

1 relay outputs with current carrying capacity of 0.5A@48VDC

Power Requirements:

Redundant dual inputs, A C-powered or DC-powered

Power 1: 24VDC (18-36V) or 48VDC (36-72V)

Power 2: 110~220VDC (88—300V) or 110~220VAC (88-300V)

Power consumption: no more than 45w

Overload Current Protection: Present

Reverse Polarity Protection: Present

Connector: 5-contact terminal blocks

Physical Characteristics:

Housing: Metal, IP40 protection

Dimensions: 440 x 370 x 45mm

Weight: 4kg

Installation: 19-inch 1U rack installation

Environmental:

Operating Temperature: -40 ~ +75°C (-40 ~ 167°F)

Storage Temperature: -40 ~ +85°C (-40 ~ 185°F)

Ambient relative Humidity: 5 ~ 95% (non-condensing)

Standards and Certifications:

EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A

EMS:

EN 61000-4-2 (ESD) Level4, EN 61000-4-3 (RS) Level4,

EN 61000-4-4 (EFT) Level4, EN 61 000-4-5 (Surge) Level4,

EN 61000-4-6 (CS) Level4, EN 61000-4-8 Level4,

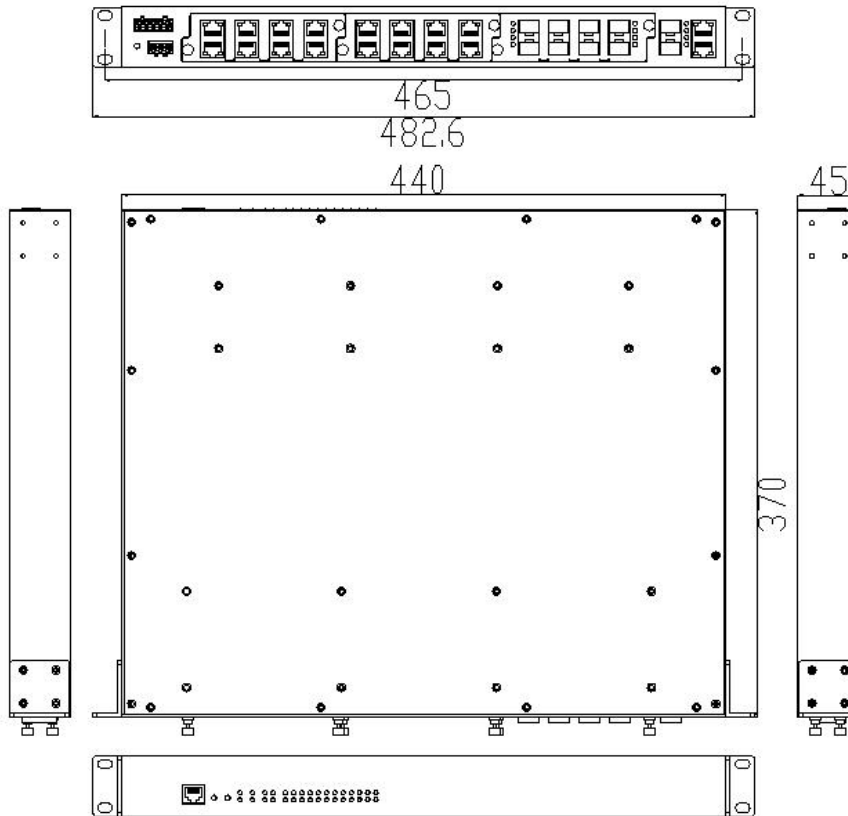
Shock: IEC 60068-2-27

Freefall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty Period: 5 years

Dimension



Ordering Information

First: Choose the available switch models;

Available Models	Power Configuration	Wiring
PTS G6226	SA Single AC power SD Single DC power AA Dual AC power DD Dual DC power AD AC power and DC power	F Front R Rear

Second: Choose available supportable card models;

Available Card Models	Description
PTS G6226-8SFP	8SFP, 8 x 100FX / 1000-X SFP slots
PTS G6226-8TX	8TX, 8 x 10/100/1000 TX RJ45 ports