

PT-7324 Series

22+2G-port Gigabit smart Ethernet switch



- > IEC 61850-3, IEEE1613 (power substations), NEMA TS2 (traffic control systems), and EN50121-4 (railway applications) compliant
- > Port-based VLAN to enhance security/network performance
- > 802.1p priority queues, port-based QoS
- > Smart web-based management makes configuration easy
- > Universal power supply range, 24/48 VDC or 110/220 VDC/VAC
- > -40 to 85°C operating temperature range

The certification logos shown here apply to some or all of the products in this section. Please see the **Specifications** section or Moxa's website for details.



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IEC-61850 Rackmount Ethernet Switches > PT-7324 Series

Introduction

The PowerTrans PT-7324 smart switch is designed to meet the demands of power substation automation systems (IEC 61850-3, IEEE1613), traffic control systems (NEMA TS2), and railway applications (EN50121-4). The PT-7324 is also equipped with smart features, "Class of Service" features suitable for multimedia applications, and port-based VLAN features that

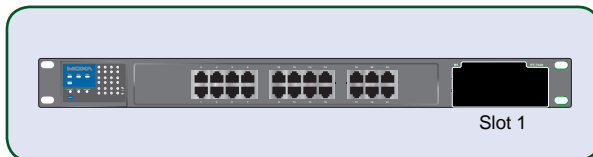
Features & Benefits

- Port-based VLAN to ease network planning
- 802.1p priority queues and port-based QoS to increase determinism
- Broadcast storm filtering

can be used to segment your network without being restricted by physical connections. If you do not want to receive too many broadcast packets, the broadcast storm filtering feature will discard broadcast packets if the number of such packets exceeds a threshold in a preset period of time.

Specifications

Smart Rackmount Switch System, PT-7324



Technology

Standards: IEEE 802.3 for 10BaseT,
IEEE 802.3u for 100BaseT(X) and 100BaseFX,
IEEE 802.3ab for 1000BaseT(X),
IEEE 802.3z for 1000BaseSX/LX/LHX/ZX,
IEEE 802.3x for Flow Control,
IEEE 802.1p for Class of Service

Flow Control: IEEE 802.3x flow control, back pressure flow control

Switch Properties

Priority Queues: 2

Max. Number of Available VLANs: 24

Interface

RJ45 Ports: 10/100BaseT(X) or 10/100/1000BaseT(X) auto negotiation speed, F/H duplex mode and auto MDI/MDI-X connection

Fiber Ports: 100BaseFX (SC/ST connector) or optional 1000BaseSX/LX/LHX/ZX(SFP slot, LC connector)

*Slot 1 for 2-port PM-7200 Gigabit Ethernet combo module or 1 or 2-port PM-7200 fast Ethernet modules.

LED Indicators: STAT, PWR1, PWR2, FAULT, LNK/ACT, FDX/HDX, SPEED

Alarm Contact: One relay output with current carrying capacity of 3A @ 30 VDC or 3A @ 240 VAC

Power Requirements

Input Voltage: 24/48 VDC (9 to 60 V), or 125/250 VDC (88 to 300 V) and 110/240 VAC (85 to 264 V)

Input Current:

Max. 0.68A @ 24 VDC

Max. 0.35A @ 48 VDC

Max. 0.17/0.11A @ 110/220 VDC

Max. 0.33/0.23A @ 110/220 VAC

Connection: 10-pin terminal block

Overload Current Protection: Present

Reverse Polarity Protection: Present

Physical Characteristics

Housing: IP30 protection

Dimensions (W x H x D): 440 x 44 x 254 mm (17.32 x 1.73 x 10.00 in.)

Installation: 19" rack mounting

Environmental Limits

Operating Temperature: -40 to 85°C (-40 to 185°F)

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

Ambient Relative Humidity: 5 to 95% (non-condensing)

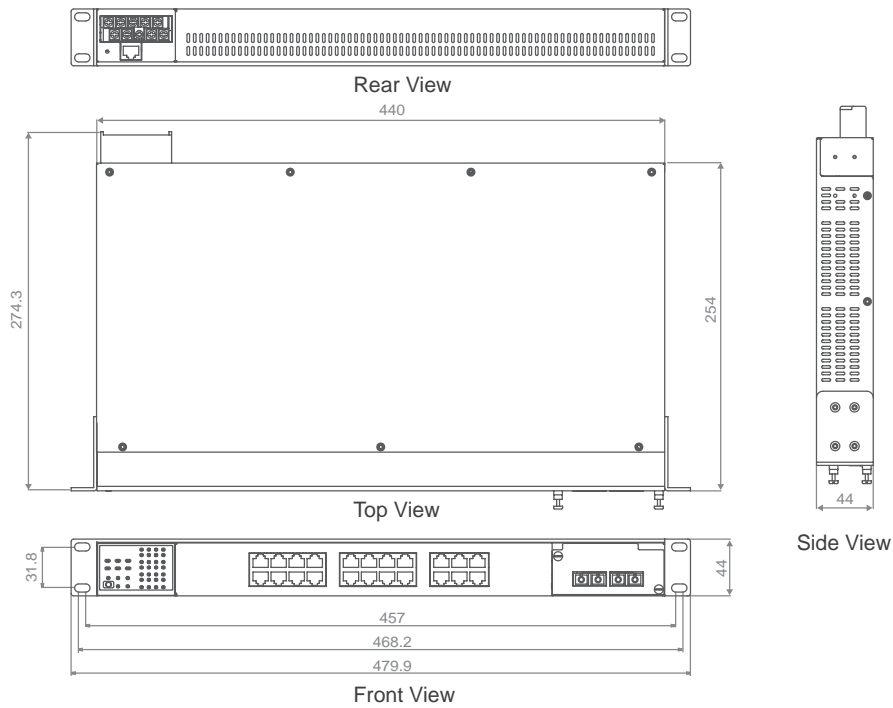
Warranty

5 years (see www.moxa.com/warranty for details)

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IEC-61850 Rackmount Ethernet Switches > PT-7324 Series

Dimensions (unit = mm)



Ordering Information

Step 1: Select switch system

Step 2: Select interface module

PT-7324 with power supply



PM-7200 series
(gigabit or fast Ethernet)

*The PT-7324 switch system is delivered without interface module. Please refer to page 4-17 to choose PM-7200 interface modules.

Smart Rackmount Switch System, PT-7324

Smart rackmount switch system with 22 10/100BaseT(X) ports, and 1 slot for fast Ethernet or Gigabit Ethernet modules, for a total of up to 24- or 22+2G ports, -40 to 85°C

Model Name		Power Supply	
Front Cabling, Front Display	Rear Cabling, Front Display	24/48 VDC (9 to 60 V)	125/250 VDC (88 to 300 V) or 110/240 VAC (85 to 264 V), isolated
PT-7324-F-LV	PT-7324-R-LV	1	---
PT-7324-F-HV	PT-7324-R-HV	---	1

* The PT-7324 Ethernet switch systems provide 1 slot for Gigabit Ethernet or fast Ethernet interface modules. Please refer to page 4-17 to select the PM-7200 series Gigabit Ethernet and fast Ethernet interface modules that you need for your own application.