28 Port Gigabit L2 Managed PoE Switch

24 Port PoE + 4 Port Uplink

0E-24PRTMAN

PRODUCT DESCRIPTION

UltraTech's Gigabit L2 Managed PoE Switches deliver enhanced traffic management capabilities for faster, smoother data transfer. This twenty-eight port switch is equipped with twenty-four gigabit PoE ports with sufficient power for any application and four uplink ports for flexible link. Advanced L2 features include QoS, VLAN and IGMP.

FEATURES

- **28 adaptive gigabit Ethernet ports:**
  - 24 x PoE ports (RJ45)
  - 2 x Uplink ports (RJ45)
  - 2 x Uplink ports (SFP)
- **Layer 2 Switch**
  - 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)
  - Loop protection
  - SNMP v1/v2c
  - QoS
  - VLAN
  - Ethernet cable length measurement
  - DHCP Server

- **6kV surge protection**
- **19" rack mountable housing**
- **Standard: 802.3/802.3u/802.3x/802.3ab/802.3af/at compliant**
- **Limited Lifetime Warranty**

SPECIFICATIONS

PART #	**0E-24PRTMAN**
UPC	840049306707
INPUT POWER	100-240 VAC
TRANSMISSION DISTANCE	328 ft. (100m)*
MAC ADDRESS TABLE	8K
SWITCHING CAPACITY	56 Gbps
DIMENSIONS (L x W x H)	17.3″ x 7.8″ x 1.7″ (440 x 200 x 44mm)
WEIGHT	8.8 lbs. (4kg)

*SFP transmission distance varies based on module used with device

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Commutateur PoE Gigabit L2 géré à 28 ports

24 ports PoE + 4 ports Uplink

0E-24PRTMAN

DESCRIPTION DU PRODUIT

Le commutateur PoE Gigabit L2 géré à 28 ports offre des capacités de gestion du trafic améliorées pour des transferts de données plus rapides et fluides. Ce commutateur à dix ports est équipé de huit ports PoE Gigabit dotés d'une alimentation suffisante pour toute application et de deux ports SFP pour une connectivité polyvalente. Les fonctionnalités L2 évoluées incluent QoS, VLAN et IGMP.

CARACTÉRISTIQUES

- **28 ports Ethernet Gigabit adaptatifs**
  - 24 ports PoE (RJ45)
  - 2 ports Uplink (RJ45)
  - 2 ports Uplink (SFP)
- **Commutateur de couche 2**
  - 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)
  - Protection contre les boucles
  - SNMP v1/v2c
  - QoS
  - VLAN
  - Mesure de câble Ethernet
  - Serveur DHCP

- **Parasurtenseur à 6 kV**
- **Installation sur bâti 19 po**
- **Normes : Conformité 802.3/802.3u/802.3x/802.3ab/802.3af/at**
- **Garantie à vie limitée**

SPÉCIFICATIONS

NO DE PIÈCE	**0E-24PRTMAN**
CUP	840049306707
PUISSANCE D'ENTRÉE	100 à 240 VCA
DISTANCE DE TRANSMISSION	328 pi (100 m)*
TABLE D'ADRESSES MAC	8K
CAPACITÉ DE COMMUTATION	56 Go/s
DIMENSIONS (L x l x H)	17,3 x 7,8 x 1,7 po (440 x 200 x 44 mm)
POIDS	8,8 lb (4 kg)

* La distance de transmission SFP varie en fonction du module utilisé avec l'appareil

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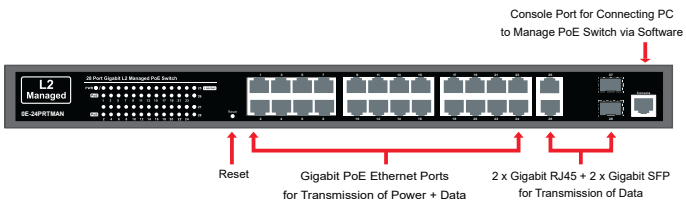
UltraTech POWER PRODUCTS

HARDWARE SPECIFICATIONS

POWER	Power Supply		Built-in power supply
	Input Voltage		100-240 VAC
	Output Voltage		52 VDC
	PoE Power Budget		370W for PoE
ETHERNET	Speed		Ports 1 to 26: 10/100/1000 Mbps Ports 27 to 28: 1.25 Gbps
	Transmission Distance		Ports 1 to 26: 328 ft. (100m) Ports 27 to 28: Transmission distance varies with type of SFP module used. (Module not included).
NETWORK SWITCH	Ethernet Standard		IEEE 802.3/802.3u/802.3x/802.3ab/802.3af/at
	Switching Capacity		56 Gbps
	Transfer Rate		14,880 pps for 10 Mbps 148,800 pps for 100 Mbps 1,488,000 pps for 1000 Mbps
	MAC Address Table		8K MAC
LINK/ACT INDICATOR	On	Green	Port connecting
	Blinks	-	Port receiving or transmitting data
	Off	-	Port is not successfully linked to device
PoE	On	Green	PD is connected
	Off	-	No PD is connected or power forwarding failed
	PoE PIN assignment		V+(RJ45 Pin 1,2), V-(RJ45 Pin 3, 6)
WORKING ENVIRONMENT	Working Temperature		0 ~ 40°C (32 ~ 104°F)
	Storage Temperature		-40 ~ 70°C (-40 ~ 158°F)
	Humidity Non-Condensing		0 ~ 85%
MECHANICAL	Dimensions (L x W x H)		17.3″ x 7.8″ x 1.7″ (440 x 200 x 44mm)
	Color		Black

PHYSICAL INTERFACE

Front



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UltraTech POWER PRODUCTS

SOFTWARE SPECIFICATIONS

PoE MANAGEMENT	Port Configuration	Supports per port PoE configuration function
	PoE Scheduling	Supports per port PoE scheduling to turn on/off the PoE devices (PDs).
	Auto-checking	Check the link status of PDs. Reboot PDs if there is no responses
	Power Delay	The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs.
LAYER 2 SWITCHING SPECIFICATIONS	Spanning Tree Protocol	MAC Bridges Standard Spanning Tree (STP) 802.1d, Rapid Spanning Tree (RSTP) 802.1w, Multiple Spanning Tree (MSTP) 802.1s
	IP/Mac Port Trunking	Link Aggregation Control Protocol (LACP) IEEE 802.3ad , Static aggregation.
	VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN Ids), Port-based VLAN, 802.1Q tag-based VLAN
	IGMP v1/v2 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters.
LAYER 3 SWITCHING SPECIFICATIONS	DHCP Server	Assign IP to DHCP clients
SECURITY	Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
	Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
	Loop Protection	To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations.
QoS	Classification	Port based, 802.1p VLAN priority based
	Bandwidth Control	Ingress policer, Egress shaping and rate control, Per port
MANAGEMENT SOFTWARE	Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
	IEEE 802.1ab (LLDP)	Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network, Support LLDP-MED extensions
	Web GUI Interface	Built-in switch configuration utility for browser-based device configuration

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SOFTWARE SPECIFICATIONS (CONT.)

MANAGEMENT SOFTWARE	SNMP	SNMP version1, 2c
	Flow Control	The IEEE 802.3x standard for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats
	Firmware Upgrade	Web browser upgrade HTTP and TFTP
	NTP	Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
	Other Management	System, HTTP, SSH, Telent, DHCP Client, Cable Diagnostics, Syslog, IPV4 Management