

CIEN3028GP-4GC-4BT-24GTPOE-AD220

24-Port Unmanaged Rack Mount Industrial PoE Gigabit Switch



- 4 x 1G RJ45/SFP Combo Ports, 24 x 1G PoE RJ45 Ports
- IEEE 802.3af/at/bt, PoE++ standards
- 20 x PoE+ up to 30W, 4 x PoE++ up to 90W
- Total PoE power budget up to 500W
- 100-260V AC redundant power inputs
- -40 to 85°C operating temperature range

Product Description

The CIEN3028GP-4GC-4BT-24GTPoE-AD220 meets EMC industrial level 4 requirements. The product supports 100-260V AC redundant power inputs with reverse polarity protection and a wide operating temperature range of -40 to +85°C.

By offering reliable switching technology and advanced PoE++ features, the CIEN3028GP-4GC-4BT-24GTPoE-AD220 optimizes the installation and power management of network devices such as wireless access points, VoIP phones, and PTZ cameras. The CIEN3028GP-4GC-4BT-24GTPoE-AD220 is equipped with 24-10/100/1000BASE-T Gigabit Ethernet ports and 4-1000BASE-T/X RJ45/SFP Combo interfaces with inner power system. Its 20 Gigabit Ethernet ports are integrated with an 802.3at PoE+ injector function, 4 Gigabit Ethernet ports are integrated with an 802.3bt PoE++ injector function.

The PoE in-line power following the IEEE 802.3bt/at/af standard makes the CIEN3028GP-4GC-4BT-24GTPoE-AD220 able to deliver Gigabit speed data and up to 90 watts of power port to 24 PoE compliant powered devices (PDs) with a combined power output budget of up to 500 watts. The CIEN3028GP-4GC-4BT-24GTPoE-AD220 provides more flexibility in power requirement for all kinds of PDs with affordable installation costs. It offers a rack-mountable, safe and reliable power solution for SMBs deploying Power over Ethernet networks.

Product Features

- Complies with IEEE 802.3af/at/bt Power over Ethernet end-span PSE
- Up to 90W of IEEE 802.3af/802.3at/802.3bt devices powered
- Supports PoE power up to 90 watts for 1-4 PoE port, 30 watts for 5-24 PoE port, all power up to 500W budget.
- PD alive check function
- Each port supports 52V DC power to PoE powered device
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- Flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, supporting 16K absolute MAC addresses
- Automatic address learning and address aging
- Supports Energy-Efficient Ethernet (EEE) function (IEEE 802.3az)

Technical Specifications

Protocol Standards	
IEEE Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af/at/bt
Switch Capability	
Processing Type	Store-and-Forward
Backboard Bandwidth	128Gbps
Buffer Size	8 MB
MAC Table Size	16 K
Interface	
1G Combo Port	4 x 1G fiber/copper combo ports, support 10/100/1000 Base-T(X) auto-sensing RJ45 copper ports, full/half duplex, auto MDI /MDI-X; or 1000 Base-X SFP ports
1G Copper Port	24 x 10/100/1000 Base-T(X) auto-sensing RJ45 copper ports, full/half duplex, auto MDI /MDI-X 4 PoE++, 20 PoE+
Status LEDs	Power indicator, PoE indicator, Link indicator
Power	
Power Input	AC110~264V, non-polarity
Power Consumption	Device Consumption (without PoE): ≤ 22W (maximum), 18W (idle) PoE Budget: 470W (maximum available for powered devices) Total Power Consumption (with PoE): ≤ 500W (device + PoE output)
Physical Characteristics	
Dimensions	440×290×44.5 mm
Installations	Standard 19-inch 1U rack mount
Weight	About 4.8kg

Working Environment

Operating Temp -40°C~+70°C

Storage Temp -40°C~+85°C

Relative Humidity 5%~95% (non-condensing)

Industry Standard

EMC

IEC 61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge;

IEC 61000-4-4 (EFT): Power cable: ±4kV, Data cable: ±2kV;

IEC 61000-4-5 (Surge): Power cable: Common mode ±4kV, Differential mode ±2kV; Data cable: ±4kV;

IEC 61000-4-12/18 (Shockwave): Common mode ±2.5kV, Differential mode ±1kV;

IEC 61000-4-16 (Common-mode transmission): 30V, 300V, 1s.

Ordering Information

Standard Model	1G Combo Port	1G Copper Port	Input Voltage
CIEN3028GP-JX-4GC-4BT-24GTPoE-AD220	4	24	AC100~264V



Contact Us

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