AEO | PRODUCT SPECIFICATIONS

AEO-8814D/POE

Industrial 4-port Gigabit PoE Ethernet Switch

English · Revision EN-20261101-V177

Backplane bandwidth	12Gbps
Packet buffer	1Mbits
MAC address table	1K
Maximum frame size (bytes)	1632bytes
Switching mode	Store and Forward
Network ports	4 x 10/100/1000Base-T(X) auto-negotiating PoE Ethernet ports
Optical ports	2 x 1000Base-X single-mode, single-fiber optical ports; FC by default
Optical wavelength	1310nm/1550nm (single-mode, single-fiber)
Optical transmission distance	20km standard (single-mode, single-fiber); customizable up to 100km
Optical transmit power	-10~-2dBm
Optical receiver sensitivity	≤-24dBm
Power input	44–57 VDC
Power consumption	≤4W (excluding PoE)
Power connector type	6pin terminal block; one alarm output
Reverse polarity protection	Supported
Power overload protection	Supported
Power redundancy	Supported
PoE	IEEE802.3af/at
PoE pin assignment	V+ V+ V- V- on pins 1, 2, 3, 6 (pins 4, 5, 7, 8 available on request)
PoE output per port	IEEE802.3af：15.5W；IEEE802.3at：25.5W
IPC extension	Supported; up to 250m

One-touch VLAN	Supported
CBIT video optimization	Supported
EN61000-4-2 electrostatic discharge	±8KV contact discharge; ±15KV air discharge
EN61000-4-3 radiated immunity	10V/m(80～1000MHz)
EN61000-4-4 electrical fast transients	±10KV power line; ±2KV data line
EN61000-4-5 surge immunity	±2KV/CM, ±2KV/DM power line; ±2KV data line
EN61000-4-6 conducted immunity	3V(10KHz～150KHz)，10V(150KHz～80KHz)
Enclosure material	Aluminum alloy; fanless
Dimensions (L*W*H)	150 × 120 × 50mm
Mounting	35mm DIN rail
Operating temperature	-40 °C ~ 85 °C
Operating humidity	5% ~ 95% (non-condensing)
Protection rating	IP40

Product page: https://www.aeo-cctv.com/en/products_e_44/AEO_8814D_POE
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