Product type: Sepitam-E2L4U1

Overview

Sepitam model **Sepitam-E2L4U1** is an Ethernet extender over UTP cable. One **Sepitam-E2L4U1** at the remote end can support one or multi IP network devices. This EO2 can transmit over telephone line, Ethernet cable, and twisted pair. It is provided with excellent lightning protection and anti-interference capacity. In the real work environment, the max network bandwidth could reach 60Mbps. With the Ethernet extended to 750meter, it has enlarged the Ethernet network application area, cutting down the project cost to the most by using Cat5e or Cat6 cable.

Sepitam model **Sepitam-E2L4U1** -AF/ AT series is EO2 with POE function, accepting power from network end model **Sepitam-E2L4U1** and meanwhile powering connected IP network devices, such as IP camera, wireless AP, IP phone and other PD device, default as slave terminal.

Features

- ◆ Modulation frequency: 2 MHz-28 MHz
- ◆ Modulation method: OFDM
- ◆ Encryption: AES128-bit encryption
- ◆ Networking: One Master and 4 Slaves
- ◆ Protocol：IEEE802.3/u, 10Base-T, 100Base-TX, IEEE802.1Q VLAN, IEEE802.3af/at
- ◆ Support Auto-sensation of MDI/ MDIX at Ethernet port, compatible with NIC, switch and HUB etc.
- ◆ Support up to 1522Bytes data packet
- ◆ Support Store and forward working mode; backpressure on Half-Duplex and flow control Full-Duplex.
- ◆ Power supply range: DC 12V-48V;
- ◆ Working temperature: -20-70℃
- ◆ Support Ethernet ESD protection and EFT
- ◆ POE (15.4W) and POE+ (25.5W) supported

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Specification

Parameter	Specification
Design grade	Sub-industrial design
Rate	10/100Mbps
Protocol	IEEE802.3/u, 10Base-T, 100Base-TX, IEEE802.1Q VLAN, IEEE802.3af/at
Transmission distance	LAN port: Cat5, 100meter UTP port: Cat5, 750meter (TCP/IP Min bandwidth 15Mbps), Cat5, 500meter- Min bandwidth 40Mbps, Cat5, 100meter- bandwidth 60Mbps
Port	4 LAN port: connected to STP/UTP cat 5 1 UTP port: RJ45
Flow control	Full Duplex: flow control, Half Duplex: Backpressure
Error rate	$<10^{-9}$
MTBF	50,0000 hours
LED indicator	PWR- power, LAN- link/ Act, UTP- UTP cable connection MASTER- master device monitoring
Power supply	Range: 12~56 V DC (with POE function 48-56V)
Power	<6W (without POE)
Storage humidity	5%~90% Non-condensation
Working humidity	5%~90% Non-condensation
Working temperature	-20~70°C
Storage temperature	-40~85°C

Certification	
EMI	FCC Part 15, CISPR (EN55022) class A
EMC	FCC,CE
EMS	EN61000-4-2 (ESD), Level 4 EN61000-4-3 (RS), Level 3 EN61000-4-4 (EFT), Level 4 EN61000-4-5 (Surge), Level 4 EN61000-4-6 (CS), Level 3 EN61000-4-8, Level 5 EN61000-4-11
Vibration	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Green	RoHS，CRoHS，WEEE

Order information

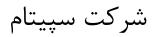| Model	Description
Sepitam-E2L4U1 -AF/ AT	Eo2, Ethernet transmission over wire, 4Ethernet port+1 UTP port, without power adaptor, support PoE function
Sepitam-E2L4U1	Eo2, Ethernet transmission over wire, 4Ethernet port+1 UTP port, without power adaptor, without PoE function

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Technical Specification of

Sepitam-E2L4U1

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