



## ***Product type: Sepitam-Eo2L1U4***



### **Overview**

Sepitam model Sepitam-Eo2L1U4 is an Ethernet extender over UTP cable. One Sepitam-Eo2L1U4 at the network end can support one or multi remote models and their connected 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 network bandwidth could reach up to 60Mbps. With the Ethernet extended to 750meter, it has enlarged the Ethernet network application area, cutting down the project cost by using Cat5e or Cat6 cable.

Sepitam model **Sepitam-Eo2L1U4** -AF/ AT series is the EO2 with POE function, powering remote Eo2 transceivers and their connected IP network device, default as a master terminal.

### **Featres**

- ◆ 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°C
- ◆ Support Ethernet ESD protection and EFT
- ◆ POE (15.4W) and POE+ (25.5W) supported



## 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), 500meter- Min bandwidth 40Mbps, 100meter- bandwidth 60Mbps
Port	1 LAN port: connected to STP/UTP cat 5 4 UTP port: RJ45
Flow control	Duplex: flow control, Half Duplex: Backpressure
Error rate	$<10^{-9}$
MTBF	50,000 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-Eo2L1U4 -AF/ AT	Eo2, Ethernet transmission over wire, 1Ethernet port+4 UTP port, without power adaptor, support PoE function
Sepitam-Eo2L1U4	Eo2, Ethernet transmission over wire, 1Ethernet port+4 UTP port, without power adaptor, without PoE function



# Technical Specification of Sepitam-Eo2L1U4

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