



EoC-50S4

Product Specifications

V1.0



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Product Introduction

The EoC-50S4 is an EoC CPE. The signal is modulated from Ethernet signal to carrier wave signal, and is transmitted through the coaxial cable (CATV transmission cable). The maximum rate is 50 Mbps. The EoC-50S4 is a cost-effective, high performance, and high reliability broadband access solution. It can provide fast data and video transmission service, such as video-on-demand (VOD) and multimedia application, and broadband Internet service, for community and hotel users. The device can also provide feed-back channel for the digital TV. Because of the flexible and convenient networking of the PI699E6.1U2Q-B, changes to the existing CATV network are not required. Most importantly, the product has four 10/100 Ethernet (100 Mbps) ports, so it can easily meet requirements of establishing residential network and developing multiple services, without configuring extra switch.

- Support QAM 256/64/16/8, QPSK, BPSK.
- PHY rate: Up to 224 Mbps.
- 128-bit AES link encryption with key management for secure power line communication.
- Full flexibility of the seven sub-bands which consist of 896 sub-tones.
- Support SNMP V1/V2c agent and standard MIB.
- Comply with IEEE 802.3 10/100 Ethernet (100 Mbps).
- Support VLAN (802.1Q) and QoS (802.1p).
- Support transparent bridging and spanning tree (802.1d).
- Support TDD/FDD, TDMA, and CSMA/CA.
- Support 802.1x authentication, for identifying the master device.
- Support IGMP managed multicast sessions.
- Support Cablelan slave mode.



Built-in low pass filter, for splitting data signal and TV signal.

2 F-type connectors. One end connects to the customer primary distributor network (CPDN) cable and the other end connects to TV set directly.





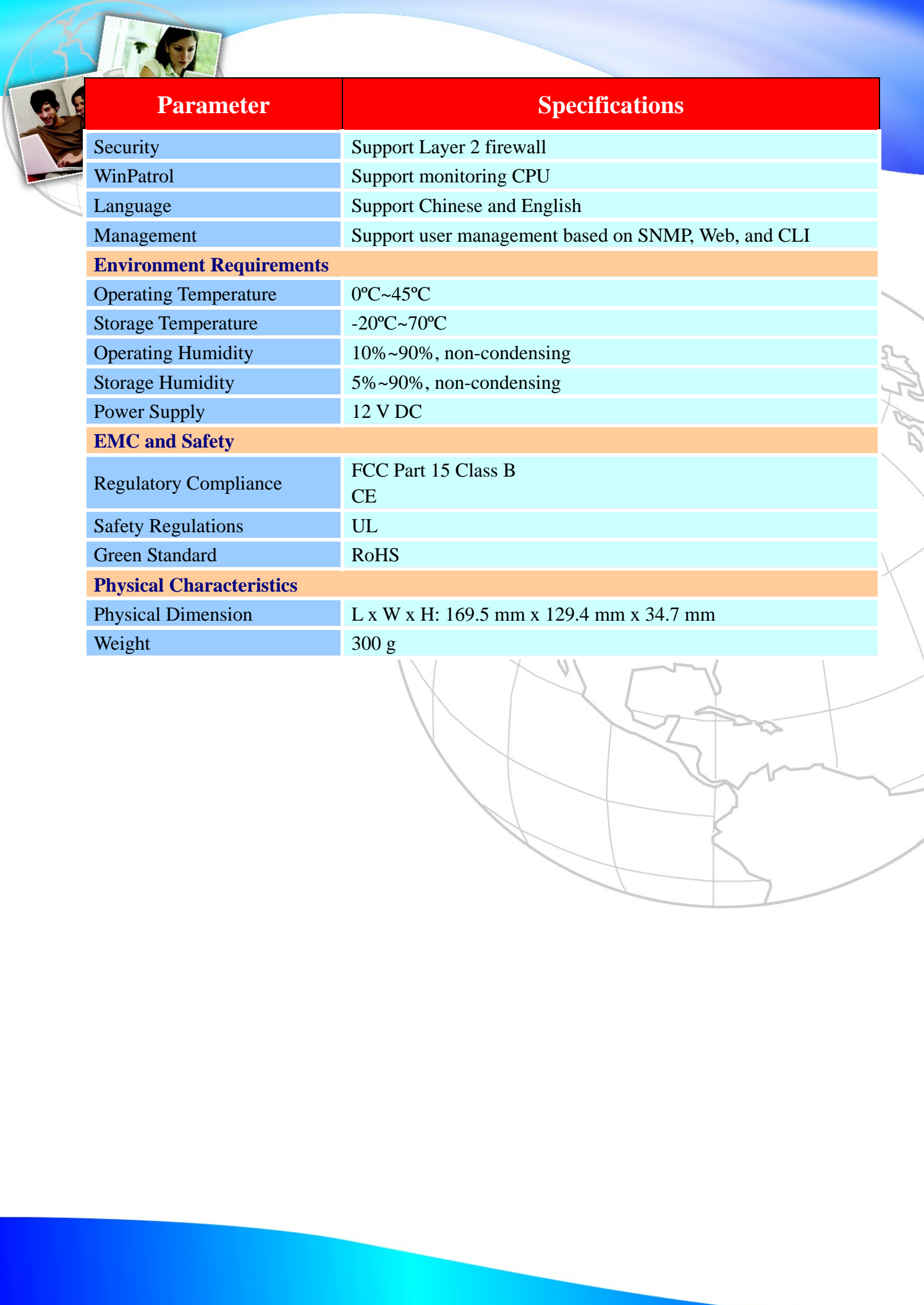
- High definition (HD) and standard definition (SD) video distribution
- Higher data rate broadband sharing for coaxial cable LAN
- Shared broadband Internet access
- TV over IP (IPTV) and Voice over Internet Protocol (VoIP)





Parameters and Specifications

Parameter	Specifications
System SPEC	
Chipset	Spidcom Spc200-e
SDRAM	32 MB
FLASH	4 MB
Features and Technology SPEC	
Ethernet Protocol	IEEE 802.3 10/100 Ethernet (100 Mbps) IEEE 802.3u high speed Ethernet IEEE802.3X IEEE802.1D IEEE802.1P IEEE802.1Q IEEE802.1X
EoC Protocol	HomePlug BPL standards
Operating System	Windows 98SE, Windows 2000, Windows ME, Windows XP 32/64 bit, and Windows Vista 32/64 bit
PHY Rate	224 Mbps
Modulation Band	2 MHz~30MHz
Work Mode	TDD/FDD, TDMA, and CSMA/CA
Modulation Mode	256/64/16/8-QAM, QPSK, BPSK
Encryption	128 AES
Splitter Module	For splitting low-frequency data signal and high-frequency TV signal
Ethernet Interface	4 x RJ45, for 10/100 Ethernet (Auto MDI/MDI-X)
Coaxial Cable Interface	2 x F-Type Cable: connect to the CPDN cable CATV: connect to CATV cable
Consumption	7 W (standard)
Reset	Restore to factory default settings
VLAN	Support VLAN pass-through/TAG/UNTAG
QoS	Support ToS and CoS packet classification
Flow Control	Support flow control based on port
Broadcast Storm Suppression	Support
Multicast	Support IGMP managed multicast sessions
SNMPv2 or v3	Support
802.1x	Support IEEE802.1x access authentication



Parameter	Specifications
Security	Support Layer 2 firewall
WinPatrol	Support monitoring CPU
Language	Support Chinese and English
Management	Support user management based on SNMP, Web, and CLI
Environment Requirements	
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~90%, non-condensing
Power Supply	12 V DC
EMC and Safety	
Regulatory Compliance	FCC Part 15 Class B CE
Safety Regulations	UL
Green Standard	RoHS
Physical Characteristics	
Physical Dimension	L x W x H: 169.5 mm x 129.4 mm x 34.7 mm
Weight	300 g