



EoC-200S2 Product Specifications

V1.0



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Introduction

EoC-200S2 is an EoC terminal. Its PLC data rate is up to 224Mbps. It can provide broadband data transmission service for user via the coaxial cable and use can easily establish high-speed network that supports video, voice and data. It can be widely applied in residential (in-home) and commercial (offices, apartments, hotels, warehouses) networks without installing new line.

- Support antinoise modulation, 256/128/64QAM, DQPSK, BPSK, and ROBO modulation schemes.
- Data rate of physical layer is up to 224 Mbps
- 128-bit DES link encryption and the encryption key management for the security of data transmission
- Include 7 sub-broadbands (896 subchannels)
- Support SNMP V1/V2c proxy and standard MIB
- Support VLAN (802.1Q) and QoS (802.1p)
- Support transparent bridge and the Spanning Tree Protocol (802.1d)
- Support TDD/FDD, TDMA, and CSMA/CA modes
- Support 802.1x to identify the master device
- Supports IGMP managed multicast sessions
- EoC slave mode
- Built-in lowpass to separate the data information from the TV information
- Two Ethernet interface
- Two F-type connectors: one end is connected to the CPDN (customer primary distributor network), and the other end is connected to the TV set.



Application

High Definition (HD) and Standard Definition (SD) video distribution

- Higher data rate broadband sharing for power line LAN
- Shared broadband internet access
- TV over IP (IPTV) and Voice over Internet Protocol (VoIP)



Parameters and Specifications

Parameter	Specification
System Spec	
Chipset	Spidcom Spc200-c
SDRAM	32 MB
Flash	4 MB
Feature and Technical Spec	
Protocol	<ul style="list-style-type: none"> ● IEEE 802.3 10/100 Ethernet (100 Mbps) ● IEEE 802.3u Fast Ethernet
System Support	Windows 98SE, Windows 2000, Windows ME, Windows XP 32/64 bit and Windows Vista 32/64bit
PLC Rate	224 Mbps
Modulation Band	2 MHz~28 MHz
Modulation Schemes	Supports antinoise modulation, 256/128/64QAM, DQPSK, BPSK, and ROBO
Encryption	128 DES
QoS	<ul style="list-style-type: none"> ● Support VLAN priority. ● Support ToS and CoS packet classification.
Work Mode	TDD/FDD, TDMA, and CSMA/CA
Multicast Support	Supports IGMP managed multicast sessions
SNMPv2 or v3	Support
Splitter module	Splitter low frequency data signal from high frequency TV signal
LED	Power: Power indicator LED ETH1 (2): Ethernet interface indicator LED System: System state indicator LED Link: Link state indicator LED
Ethernet Interface	2 x RJ45 for 10/100 Ethernet (auto MDI/MDI-X)
Coax Interface	2 x F-Type <ul style="list-style-type: none"> ● Cable: connect to the CPDN cable. ● TV: connect to the TV set.
Consumption	$\cong 5$ W



Parameters and Specifications

Parameter	Specification
Environment Requirement	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~90%, non-condensing
Power Supply	12 V DC,500mA
EMC and Safety	
Regulatory Compliance	<ul style="list-style-type: none">● FCC Part 15 Class B● CE
Safety Regulations	UL
Green Standard	RoHS
Physical Characteristics	
Physical Dimension	L x W x H: 137.6 mm x 111.6 mm x 31.8 mm
Weight	163 g