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## Ethernet over Coaxial Adapter/Extender

Model: 7HC120



### Introduction:

7HC120 is an Ethernet over Coaxial Adapter/Extender, transmits HD videos and high-speed data signals, transfers IP HD network signals over all kinds of coaxial cables.

It has advantages as long transmission range, high communication rate, multimedia service support and flexible networking, widely applied to the transformation and upgrading of original analog system into such projects as network HD, web camera video long-range extension and elevator monitoring transmission, etc.

7HC120 integrates BNC interface and RJ45 connector, completely plug & play, doesn't need IP address or any special installation requirement. It is very suitable for the alteration and extension projects in which cable cannot be newly added or cable is hard to be newly added.

## Features:

- \*Support multi-node networking at most 8 terminal devices.
- \*Support 720P, 960P and 1080P HD IP network cameras.
- \*Ethernet extension over coaxial cables with maximum transmission distance up to 2km.
- \*AV200 Powerline spec with plug and play.
- \*128-bit AES encryption.
- \*Low power consumption.
- \*Side industry Interface: BNC interface \*1 and a RJ45 connector\*.
- \*10/100/Base-T Ethernet on RJ45 with auto-negotiation.

## Specification:

|                       |   |
|-----------------------|---|
| Chipset               | Qualcomm QCA 6410   |
| Interface             | BNC interface*1   |
|                       | RJ45 interface*1  |
| Indicator             | Pwr, Pwm,Plc, Link  |
| Powerline             | HomePlug AV, IEEE 802.3, IEEE 802.3u ,IEEE802.3u, IEEE802.3ab |
| Protocols             | CSMA/CA (Powerline)   |
| Encryption            | AES 128-bit   |
| Input Power           | DC 12V 1A   |
| Power Consumption     | <1.5W   |
| Modulation Technology | OFDM (1024/256/64/16-QAM,QPSK,BPSK and ROBO)                  |
| Power Save            | Compliance with EuP   |

|                     |   |
|---------------------|---|
| Size                | L: 70x W: 60x D:25 mm   |
| Weight              | 300g  |
| Frequency           | 2-28MHz   |
| PHY Speed           | Ethernet 10/100(mbps); Powerline 200 (mbps)   |
| Distance            | Coaxial Cable: 2km  |
| Package Contents    | 7HC120 Extender<br>User Manual  |
| System Requirements | Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, Windows 10, MAC OS, or Linux  |
| Environment         | Operating Temperature: 0~70 °C (32 °F~104°F)<br>Storage Temperature: -20~70 °C (-4 °F~158°F)<br>Operating Humidity: 10%~90% non-condensing;<br>Storage Humidity: 5%~90% |