



Features



The LANSocket 600 is a HomePlug AV2 compliant adapter with a 1Gbps Ethernet interface and a PHY rate of 600Mbps.

Pass-through socket design with integrated filters which suppresses electrical noise produced from attached electronics.

IGMP support with priority queuing insures quality in home delivery of IPTV multicast streams.

Embedded TR-069 client for remote configuration, diagnostics and asset management via an Auto Configuration Server (ACS).

Extollo's Local Area Network (LAN) adapters create a self-contained, secure home network using the existing electrical wiring within a user's home. The LANSocket 600 turns every electrical outlet in the home into an Internet access port, connecting personal digital devices and entertainment systems to each other and the cloud.

The LANSocket 600 is an eco friendly, eloquently designed, compact HomePlug AV2 compliant adapter. No configuration is required, they're ready to go out of the box, just plug them in and network! Quickly and intuitively create a multi media home network to share residential

Internet access among all Internet capable devices within the home.

The high performance, low latency LANSocket 600, makes it ideal for streaming video and online gaming applications. Data integrity is maintained with the use of a 128-bit AES Encryption key.

Possible applications for the LANSocket 600 home network include: Internet access, delivery of SD, HD & 4K IPTV multicast streams, OTT streaming video, IP telephony, online video gaming, home security systems and any other services that require a network connection.

LANSocket 600-NA

Technical Specifications

Standards

- HomePlug AV & AV2
- IEEE1901
- IEEE802.3 /u/ab 10/100/1000 BASE-T
- Broadband Forum TR-069

Performance & Frequency

- PHY: 600Mbps
- UDP: 260Mbps
- TCP: 200Mbps
- Distance: 300m (985ft)
- 2 to 68 MHz

Interface

- 1 x NEMA 5 120VAC
- 1 x RJ-45 10/100/1000Base-T Ethernet auto MDI/MDIX auto negotiation
- 1 x Secure pairing push button & reset to factory defaults

Environmental

- Operating Temperature: 0°C to 40°C ambient temperature
- Storage Temperature: -20°C to 70°C ambient temperature
- Humidity: 10 to 90% maximum (non-condensing)
- Power Input: 100 ~ 240V @ 50/60Hz
- Standby Mode: 3 minutes without activity on the Ethernet port (consumption 0.5 Watts)

Quality of Service

- Four level round robin queue with priority contention channel access control
- ToS and CoS packet classifier
- IGMP multicast group membership control

Hardware

- Qualcomm QCA7450 powerline network transceiver
- Integrated filters suppress noise in the AV2 frequency

LED Indicators

- 1 x Power: on / off
- 1 x Data (PLC performance): red / orange / green / off
- 1 x Ethernet: solid / blinking / off

Modulation

- TDMA and CSMA/CA channel access scheme
- OFDM symbol modulation on line synchronization
- 1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier modulation

Security

- 128-bit AES link encryption with key management

Form Factor

- White plastic
- H 92.5mm x W 62mm x D 35.49mm
- 126 grams

Certifications

- FCC Class B / CE

Package Contents

- 2 x LANSocket 600
- 2 x Ethernet cable
- 1 x Installation guide

