



## Features



The LANSocket 1500 is a HomePlug AV2 compliant adapter with a 1 Gbps Ethernet interface and a PHY rate of 1.8 Gbps.

Multiple-Input Multiple-Output (MIMO) design with beam forming technology, simultaneously sends data on two powerline paths.

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 1500 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 1500 is an echo friendly, eloquently designed, HomePlug AV2 MIMO 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 1500, 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 1500 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 1500-NA

## Technical Specifications

### Standards

- HomePlug AV & AV2
- IEEE1901
- IEEE802.3 /u/ab 10/100/1000 BASE-T
- Broadband Forum TR-181 device model for TR-069

### Performance & Frequency

- PHY: 1.8Gbps
- UDP: 500Mbps
- Distance: 300m (985ft)
- 2 to 86 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 50°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

### 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

- Broadcom BCM60500 powerline network transceiver & AFE
- Dual line drivers
- 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 4.45" x W 2.51" x D 1.65"
- H 113mm x W 64mm x D 42mm
- Unit weight 6.87oz / 195gm

### Certifications

- FCC Part 15 Class B
- CE Approved
- RoHS and WEEE
- Low Voltage Directive 2006/95/EC

### Package Contents

- 2 x LANPlug 1500
- 2 x Ethernet cable
- 1 x Installation guide

