

HPNA Adapter

Connect Ethernet-Equipped Devices to Existing Telephone Wiring



HIGHLIGHTS

Converts Ethernet to HPNA—Adapter connects Ethernet-equipped devices to existing phone wiring for in-home service distribution

Ideal for Triple Play—Use any Motorola gateway to deliver triple-play services over existing phone wiring

Simple to Use—Easy installation and powerful features leverage installed phone wiring for broadband service delivery

Compact, reliable, and convenient, Motorola's HomePNA Adapter allows the delivery of triple-play services like IPTV, voice, and data over installed phone wiring for ubiquitous in-home connectivity with a low cost of deployment.

The Motorola HomePNA Adapter (HPNA) converts 10/100 Ethernet to HomePNA 3.1, enabling the use of existing in-home phone wiring to deliver broadband services to Ethernet-equipped devices such as set-top terminals and Voice-over-IP (VoIP) phone systems. The HPNA allows any Ethernet-equipped Motorola broadband gateway to be used with standard phone wires, which enables service providers to deliver high-value broadband services, such as IPTV, without installing new wiring.

The HPNA features two RJ-45 ports for 10/100 Ethernet connectivity and two 128 Mbps

HPNA RJ-11 ports for connection to standard telephone jacks, DSL splitters, and other HPNA devices. For reliable delivery of high-quality IPTV and VoIP services, the HPNA supports Quality of Service (QoS) priority and mapping.

Providing ubiquitous, reliable in-home connectivity with a low cost of deployment, the HPNA is a complementary solution for service providers using Motorola's Netopia® 7000 Series VDSL2 triple-play gateways to deliver bandwidth-intensive, QoS-reliant services such as IPTV, video, and VoIP over installed phone wiring.

SPECIFICATIONS

Ethernet Interfaces	Two 10/100 Mbps auto-MDI/MDIX RJ-45 connectors; unshielded twisted pair, auto-negotiation for half- or full-duplex
HPNA Interfaces	Two 128 Mbps HPNA 3.1 RJ-11 connectors
LED	Power, HPNA Link/Activity, HPNA SyncMode, and Ethernet Link/Activity
Transmission Power	0 ±1 dBm
Transmission Spectrums	4 to 21 MHz, 12 to 28 MHz
Transmission Speed and Distance	≤128 Mbps, ≤1969 ft (-176 dBm/Hz noise floor)
Standards	HomePNA 3.1 (HPNA), IEEE 802.3 10 Mbps Ethernet, IEEE 802.3u 100 Mbps Fast Ethernet, IEEE 802.3x Flow Control
Quality of Service	IEEE 802.1p Priority Mapping, IEEE 802.1p/TOS Priority Queue-Based, IEEE 802.1q VLANTag Pass-through, Guaranteed QoS based on HomePNA 3.1 Parameterized QoS
Regulatory	FCC Part 68, Part 15, Class B; CE; UL/cUL-listed, CSA-approved; RoHS-compliant
Environmental	
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	14 °F to 149 °F (-10 °C to 65 °C)
Relative Humidity	10% to 95%, non-condensing
Power Adapter	
Input	100–120 VAC, 50 to 60 Hz (North America); 200–240 VAC, 50-60 Hz (Europe)
Output	5 VDC, 1 A
Power Consumption	<5 W
Weight	4.23 oz (120 g)
Dimensions	1 in (25 mm) H x 4.5 in (114 mm) W x 2.6 in (67 mm) L

Part Numbers	Operating Frequencies
TER/HPNA-L-NA	4 to 21 MHz
TER/HPNA-H-NA	12 to 28 MHz
TER/HPNA-L-EU	4 to 21 MHz
TER/HPNA-H-EU	12 to 28 MHz



Motorola, Inc. 101 Tournament Drive, Horsham, Pennsylvania 19044 U.S.A.
www.motorola.com

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. Netopia is registered to Netopia, Inc., a wholly-owned subsidiary of Motorola, Inc. All other product or service names are the property of their respective owners. © Motorola, Inc. 2007. All rights reserved.

540546-001-a

5776 - 0507 - 0K