



Motorola HomePNA 3.1 Adapter

TER-HPNA2



Enabling easy home networking of Ethernet devices using Coax wiring

HIGHLIGHTS

Converts Ethernet to HomePNA signaling on coaxial cables

Uses existing coaxial cable to provide a flexible way to distribute connectivity in the home

HomePNA speeds of up to 320 Mbps

Backward compatible with HomePNA 3.0

Product Overview

The Motorola TER-HPNA2 HomePNA 3.1 adapter enables easy home networking of Ethernet devices using the existing coaxial cable already in most homes.

The unit converts Ethernet to HomePNA signaling on coaxial cables at frequencies that do not interfere with other applications such as the Broadcast TV.

With HomePNA speeds of up to 320 Mbps, the TER-HPNA2 adapter provides the ideal support for concurrent data, voice, and video services being shared in the home network. The advanced feature capabilities, like traffic management and QoS, make the delivery of IPTV, VoIP and real time gaming applications flawless.

User Friendly Installation

The adapter's friendly installation and ease of use is ideal for consumers who want a home network that is simple to setup in minutes. Motorola home network adapters are supplied with an easy-to-use Motorola installation wizard that can assist the home user during the installation process.

Using the existing coaxial cable provides a flexible way to distribute connectivity in the home, allowing the end user to easily start sharing IPTV, browse the internet and share data, music, or pictures from anywhere in the house.

The overall solution provides the capabilities for a scalable deployment either in a point-to-point configuration or point-to-multipoint scenarios allowing the end-user to expand the whole home network easily and effectively.

Service Assurance

By combining the highest-performing and lowest cost of ownership whole home connectivity adapter in the industry with comprehensive management, high-availability, and high-reliability, Motorola is offering an all-in-one approach to broadband home networking.

DATA SHEET

Motorola HomePNA Adapter
TER-HPNA2

Specifications

INTERFACES

HPNA, coaxial connector
10/100 Ethernet, RJ-45

HOME PNA SUPPORT

ITU-T G.9954, HomePNA 3.1 compliant
Backward compatible with HomePNA 3.0
12 to 44 MHz Spectrum Support
75 ohm F-Type Female Coaxial Connector
CSMA/CA Media Access Control
QAM and FDQAM modulation
Constellations of 2 to 10 bits per symbol
Phy Rate 4Mbps – 320Mbps (rate adaptive)
Master or end-point capable
Up to 10 Nodes on network
Up to 255 end user devices

ETHERNET SUPPORT

IEEE 802.3u 10/100BASE-T
Full or Half Duplex
10Mbps or 100Mbps
Auto MDIX Support
IEEE 802.3x Flow Control

TRAFFIC MANAGEMENT AND QoS

IEEE 802.1p Priority Mapping
IEEE 802.1p/TOS Priority Queues
IEEE 802.1q VLAN Tag Pass-through,
Guaranteed or Relative QoS
HomePNA 3.1 Parameterized QoS
Deterministic Bandwidth, Latency, Jitter, PER
Latency less than 10ms
Jitter less than 1ms

LOCALIZATION

English

Optional: French, German, Italian, Portuguese (Brazil), Spanish
(Latin America)

INSTALLATION WIZARD

PC Windows 2000, XP SP2, Vista and 7
Macintosh OS X

REGULATORY COMPLIANCE

Americas

UL60950, CUL, CSA
FCC Part 15 Class B, ICES-003
CEC Compliant, Energy Star

EMEA

EN 60950
EN 300 386
RoHS Compliant
Code of Conduct (CoC) 2008 Compliant

ENVIRONMENTAL SPECIFICATION

Operating Temperature
0 °C to 40 °C (32 °F to 104 °F)

8% to 95% (Non Condensing) Relative Humidity

Storage Temperature
-20 °C to 85 °C (32 °F to 158 °F)

Power Consumption
Max 430mA at 12VDC

PHYSICAL SPECIFICATION

Dimensions

1.2 in H x 3.3 in L x 4.7 in W
(3.0 cm x 8.4 cm x 12.0 cm)

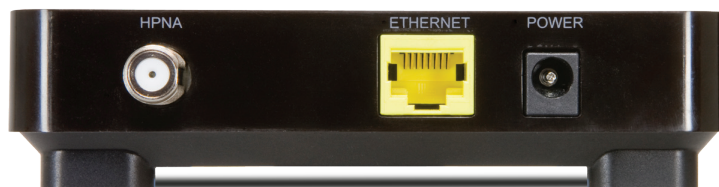
Weight
150g (5.3 oz)

Placement
Desktop or Vertical wall mount

ORDERING INFORMATION

North America
TER-HCNA2-N1

EMEA
TER-HCNA2-E1



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qualified adapter
for a better
environment