



WWSMOCA2.5 NETWORK ADAPTER

MoCA technology extends Internet all over your house using your existing coax TV cable. Home network products with MoCA instantly turn your existing coax TV cable into a powerful, easy to use network for Internet access, Wi-Fi and entertainment. Utilizing MoCA enabled products allows you to stream full HD/4K videos to your devices. You also can enjoy high-speed online gaming, including VR games. It's compatible with virtually any device that has an Ethernet port, including Blu-ray, Xbox, PlayStation, streaming media devices, computers and more. It does not support homes with satellite TV.

FEATURES

- + Compliant with MoCA standard, having up to 2.5 Gbps MAC layer transmission rate.
- + One Coax In/Out port, one Video output port, one Ethernet port to meet all networking requirements.
- + Up to 16 adaptors, able to communicate with each other.
- + Using existing coax cabling.
- + Supports TR069 /HTTP management functionality.
- + Supports IPV4/IPV6.
- + Support MPS (MoCA Protected Setup) functionality.

GENERAL

PARAMETER	VALUE
Chipset Technology	Maxlinear MXL3710
Support Protocols	1000BASE-T (IEEE802.3 Clause 40), 100BASE-TX (IEEE 802.3 Clause 25), 10BASE-Te (IEEE 802.3 Clause 14), Energy-Efficient Ethernet (IEEE 802.3az)
Modulation	OFDM 1024-QAM, TDD
Channel Bandwidth	1-5 Channels, 100 MHz by Channel
Operating Frequency Band	D-Band (1125-1675 MHz)
MAC Data Rate	1 Gbps, 2.5 Gbps
Number of Ethernet Ports	1 Port
Ethernet Port	10/100/1000 Mbps, 10/100/1000/2500 Mbps
Power Supply	DC 12V/0.5 A
Power Consumption	< 6 W

PART NUMBER	PORT TYPE
WWSMOCA2.5-1G	1 Gbps
WWSMOCA2.5-2.5G	2.5 Gbps



WORLDWIDE SUPPLY B.V.
TECHNOLOGY PRODUCTS, SERVICES & SOLUTIONS

YTMC-51N1-M3 MOCA 2.5 NETWORK ADAPTER

MECHANICAL

PARAMETER	VALUE
Casing Dimensions	110 x 70 x 28 mm
Casing Material	Plastic
Casing Color	White or Black
Wall Mounted Holes	Yes

FRONT PANEL / LEDs

PARAMETER	VALUE
Number of LEDs	3
“POWER” LED (Green)	Off: No Power Green: Power On
“ETHERNET” LED (Bicolor Green/Red)	Off: No Link Green: Link
“COAX” LED (Green)	Off: No MoCA Link Green: MoCA Link OK

BACK PANEL

PARAMETER	VALUE
Connectors	DC Connector RJ45 Ethernet Connector MoCA Connector - F-type female 75 Ohms CATV Connector - F-type female 75 Ohms
Key (1)	Master Reset

POWER SUPPLY

PARAMETER	VALUE
Power Supply Type	External PSU Type Wall-Plug
AC Input Voltage	Min. 90 Volts, Normal 100-240 Volts, Max. 264 Volts
AC Input Frequency	Min. 47Hz, Normal 50/60 Hz, Max. 63 Hz
Power Supply Voltage	DC / 12 Volts, Min. 11,4 Volts, Max. 12,6 Volts @100-240 Vac input
Power Supply Max. Current	0.5A
Safety	FCC, UL Certificates



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MoCA IN/OUT

PARAMETER	VALUE
Transmit Mode Return Loss In 1125MHz-1675MHz Band	≥ 6 dB relative to 75 ohms
Maximum Output Power Per Channel For 3 Channels	-4.5 dBm to +3.5 dBm
Maximum Output Power Per Channel For 4 Channels	-5.3 dBm to +2.7 dBm
Maximum Output Power Per Channel For 5 Channels	-6 dBm to +2 dBm
Minimum Sensitivity	680 Mbps min. with Receive Power Level: $-50 < X < +1$ dBm

CATV OUTPUT

PARAMETER	VALUE
Operating Frequency Range	54MHz-1002MHz
Transmit Mode Return Loss In 54MHz-1002MHz Band	≥ 14 dB relative to 75 ohms
Insertion Loss	-2.5 dB
Band Flatness	2 dB

APPROVAL REGULATORY

PARAMETER	VALUE
FCC Certificate	CISPR PUB. 22, FCC Part 15 Subpart B
ROHS	ROHS 2.0 Standard 2011/65/EU and its amendment directive (EU) 2015/863

ENVIRONMENTAL/STORAGE

PARAMETER	VALUE
Operating Environmental	Temperature: 0°C - 40°C Relative humidity: 20% - 85%, non-condensing Altitude < 2000m
Storage (Non-Operating)	Temperature: -20°C + 60°C
Environmental	Relative humidity: 5% - 95%, non-condensing Altitude < 2000m
Vibration (Sinusoidal)	According IEC 60028-2-6
Rough Handling Shocks	According IEC 60028-2-31

