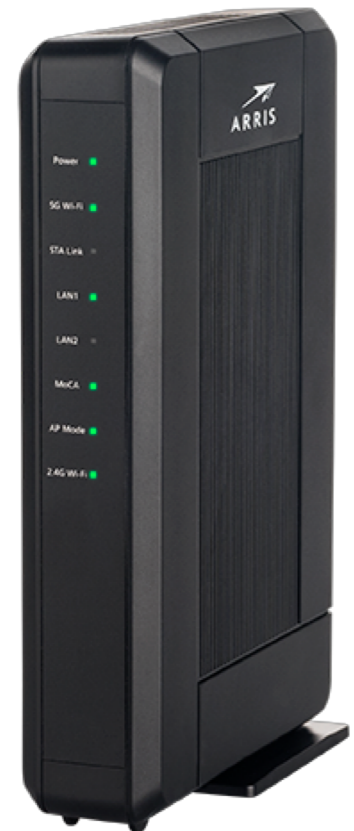


# AM525 Wi-Fi Extender

MoCA<sup>®</sup>/Ethernet to 802.11ac Wi-Fi

## FEATURES

- Dual-band concurrent Wi-Fi
- 4x4 802.11ac 5 GHz
- 2x2 802.11n 2.4 GHz
- MoCA<sup>®</sup> or Ethernet connectivity to the home gateway
- ARRIS HomeAssure<sup>™</sup> Enabled for whole-home Wi-Fi coverage and performance
- TR-069/181 remote management



## PRODUCT OVERVIEW

Engineered for maximum performance, the AM525 wireless extender allows service providers to securely deliver high-quality Wi-Fi to any location in a subscriber's home. The AM525 is designed for flexibility and can be deployed in many ways. An AM525 is typically connected to an existing residential gateway or home router via Ethernet or MoCA.

The AM525 is ARRIS HomeAssure<sup>™</sup> enabled. It will automatically configure itself from a connected HomeAssure enabled home gateway to become part of a self-optimizing Wi-Fi network that delivers high-performance Wi-Fi with enhanced coverage.

The AM525 includes a full suite of remote, TR-069/TR-181 based management features to ensure an optimal customer experience and reduce operator expenses.

## GENERAL SPECIFICATIONS

## Physical

Operating Temperature	32 to 113°F (0 to 45°C)
Operating Relative Humidity	20-85% (Non condensing)
Storage Temperature	-31 to 167°F (-35 to 75°C)
Storage Relative Humidity	20-95% (non-condensing)
Dimensions (H x W x D)	8.5in x 2.0in x 5.5in (21.5cm x 5.0cm x 14.0cm)
Weight	0.9lbs (0.41kg)
Diagnostic LEDs	Power, STA, AP, 2.4G, 5G, LAN1/2, MoCA

## Interfaces

MoCA	F-type, female, MoCA 2.0, channel bonding
Local Area Network (LAN)	Two 10/100/1000 Base-T Ethernets RJ-45, Yellow, Auto-Sensing, Auto-MDIX
Wi-Fi Network	Dual-band, 802.11ac, 4x4/2x2 MIMO
User Buttons/Switches	Wireless Protected Setup (WPS2.0) Button Reset Button (recessed) STA/AP Mode Switch Power On/Off Button
Input Voltage (nominal)	12VDC / 1.5A via External Adapter (included)

## GENERAL SPECIFICATIONS

## Wireless

Frequency Range	2.4 and 5GHz operating frequencies
2.4GHz Transmit Power (dBm)	[802.11b 1Mbps] 21 +/-1.5 [802.11b 11Mbps] 19 +/-1.5 [802.11g 6Mbps] 21 +/-1.5 [802.11g 54Mbps] 16 +/-1.5 <i>(Note: Where multiple transmission paths are implemented, the requirements apply to the combined radiated power of all antennae sources and where the power from each source is contributing equally to the effective total power output)</i>
5.0GHz Transmit Power (dBm)	[802.11a 6Mbps] 20 +/-2 [802.11a 54Mbps] 16 +/-2 [802.11n HT20] 20 +/-2 (MCS0); 16 +/-2 (MCS7) [802.11n HT40] 20 +/-2 (MCS0); 16 +/-2 (MCS7) <i>(Note: Where multiple transmission paths are implemented, the requirements apply to the combined radiated power of all antennae sources and where the power from each source is contributing equally to the effective total power output)</i>
Spatial Streams	4 on 5G, 2 on 2.4G
2.4GHz Receive Sensitivity (per radio chain in dBm)	[802.11b 1Mbps] > -94 [802.11b 11Mbps] > -88 [802.11g 6Mbps] > -91 [802.11g 54Mbps] > -74 [802.11n HT20] > -90 (MCS0); > -72 (MCS7) [802.11n HT40] > -87 (MCS0); > -69 (MCS7)
5.0GHz Receive Sensitivity (per radio chain in dBm)	[802.11a 6Mbps] > -89 [802.11a 54Mbps] > -74 [802.11n HT20] > -88 (MCS0); > -72 (MCS7) [802.11n HT40] > -86 (MCS0); > -70 (MCS7) [802.11ac VHT20] > -89 (MCS0); > -64 (MCS9) [802.11ac VHT40] > -86 (MCS0); > -59 (MCS9) [802.11ac VHT80] > -78 (MCS0); > -56 (MCS9)
Antennas	6 Transmit / 6 Receive (all internal)
# of SSIDs Supported	4 Per Band
Max Theoretical Wi-Fi Throughput	2033 Mbps
Wi-Fi Security Modes	WPA2, WPA/WPA2

### GENERAL SPECIFICATIONS

#### Processor

Processing Power 400 MHz ARC 750 CPU

Memory Capacity 256MB DDR3 / 32MB Flash

#### Standards

Wi-Fi Alliance – 802.11a/b/g/n/ac EISA-2007

FCC Part 15 Classes B, C, and E RoHS / WEEE

ARRIS HomeAssure™ Enabled WPS 2.0

UL® 60950 IEEE 802.3, 802.3ab

WPA / WPA2 IPv4 / IPv6

802.11h (DFS) TR-069/181

### ORDERING INFORMATION

Part #	Description
E6503329900	AM525/NA, Home Networking Extender (HNE), MoCA 2.0 Bonded, DBC, 802.11AC, 4x4/2x2 MIMO, 2x GigE, 100-120VAC to 12VDC/1.5A Adapter, NEMA1-15 Plug Style, RoHS, Brown Gift Box with Ethernet Cable



## CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656