

**GENERAL SPECIFICATIONS**

Cable Interface	F-Connector, female 75 Ω
Network Interface	Four one-gigabit (10/100/1000) Ethernet ports
2.4 Wi-Fi Interface	802.11n Wi-Fi (also certified for 802.11 b/g)
5 GHz Wi-Fi Interface	802.11n Wi-Fi (also certified for 802.11 a)
Dimensions	8.8 (h) x 2.1 (w) x 10.1 (l) in (224 x 54 x 256.5 mm)
Regulatory	RoHS compliant, FCC, UL listed (U.S. and Canada), Industry Canada, EnergyStar, VCI, JATE
DOCSIS 3.0	Bonding capability of 8 downstreams and 4 upstreams
MoCA 1.1	Share cable interface F-Connector
<b>Input Power</b>	
Global	~100 - 240 V, 50/60 Hz
Internal Power Supply	50W/12Vdc
Power Management	802.11e WMM power save/U-APSD (Unscheduled-Automatic Power Save Delivery), 802.3az EEE
<b>Environmental</b>	
Operating Temperature	32 F to 104 °F (0 °C to 40 °C)
Storage Temperature	-22 °F to 158 °F (-30 °C to 70 °C)
Operating Humidity	5 to 95% R.H. (non-condensing)
<b>DOCSIS Downstream</b>	
Modulation	64 or 256 QAM
Bandwidth	Full bandwidth capture window 108 MHz–1002 MHz
Maximum PHY Rate	DOCSIS: 343.072 Mbps (8 channels) / 42.884 (single channel) @ 256 QAM at 5.36 Msym/s EuroDOCSIS: 444.928 Mbps (8 channels) / 55.616 (single channel) @ 256 QAM at 6.952 Msym/s
Symbol Rate	64 QAM 5.057 Msym/s; 256 QAM 5.361 Msym/s
Operating Level Range	-15 to 15 dBmV
Frequency Range	108 – 1002 MHz (edge to edge)
Frequency Plans	DOCSIS Annex B
Security	DOCSIS 3.0 Security (BPI+, EAE, SSD)
Provisioning	IPv4 IPv6 (dual stack) DS Lite
<b>DOCSIS Upstream</b>	
Modulation	QPSK and 8, 16, 32, 64, 128, 256 QAM
Maximum PHY Rate @256 QAM at 6.4 MHz	122.8 Mbps: 4 channels 30.72 Mbps: single channel
Channel Width	200 kHz, 400 kHz, 800 kHz, 1.6 MHz, 3.2 MHz, 6.4 MHz
Symbol Rates	160, 320, 640, 1280, 2560, 5120 ksym/s
Frequency Range	5–42 MHz (edge to edge)
<b>Compatibility</b>	
PC	Windows XP, Windows 7, Windows 8, (older versions of Windows, although not specifically supported, will work with this cable modem), UNIX, Linux®
Macintosh	Power PC or later; OS 10 or higher
Home Networking	Ethernet router and wireless access point

**GENERAL SPECIFICATIONS (Continued)**

<b>Network</b>	
Gateway	DHCP, NAT, DNS, VPN tunneling, GRE tunneling; static routing and dynamic IP routing (RIPv1, RIPv2); SPI firewall with DoS protection and intrusion prevention; port, packet, and URL keyword filtering; full suite of ALGs; UPnP IGD 1.0; L2TPv3, L2VPN, eRouter, DLNA
WLAN	802.11a/b/g/n Wi-Fi, WDS bridging, 802.11e WMM admission control, QoS, QOS per Interface
WLAN SSIDs	Up to 8 per radio
WLAN Speed	Up to 450Mbps
Radios	5 GHz, +23 dBm HPA*, 3x3 MIMO antenna array 2.4 GHz, +26 dBm HPA*
MoCA	MoCA 1.1, DLNA ≤ 16 Nodes 175 Mbps MAC layer throughput
Security	Default = security enabled WPA2, WPA-PSK, WEP 64/128, WPA, TKIP, AES, 802.1x, 802.11i (pre-authentication)
Wi-Fi Pairing	WPS 2.0
Regulatory Domains	US, Canada, ETSI, World
<b>Management and Configuration</b>	
GUI	English, HTML based GUI, Google Translate for easy Translation
<b>Memory</b>	
RAM	128MB DDR3
Flash	32 MB

\*When combined with the antenna, gain will meet, but not exceed, FCC constraints on per-channel power. All features, functionality, and other product specifications are subject to change without notice or obligation.