

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
Input Power	
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
Environmental	
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)
DOCSIS Downstream	
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
DOCSIS Upstream	
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)
Compatibility	
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)

Network	
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
Management and Configuration	
GUI	English, HTML based GUI, Google Translate for easy Translation
Memory	
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.