

U10C019

WIRELESS CABLE MODEM ROUTER



Product Highlights

- DOCSIS 2.0 & CableHome 1.1 Certified
- Supports 802.11b/g
- Detachable antenna allows for even greater distances when needed
- 4 10/100Base-T Ethernet ports & 1 USB port
- 360° swivel stand
- Wall-mountable
- Reset button
- WPA-2/WPA2-PSK Wireless Encryption
- Configurable via SSH, Telnet, Web, and SNMP
- VPN Endpoint (local/remote endpoint)
- Static Routing
- RIPv2
- Content Control and Firewall (SPI)
- ARP Storm Protection
- Port Scan Protection
- IP Flood Detection

Ambit Microsystems provides a full range of CPE products for data, voice, video, and mobility. With over 10 million cable modems deployed to date, Ambit has significant experience in helping MSO's achieve their goals. Please visit us at www.ambitbroadband.com for more information.

Specifications

Hardware		Upstream	
Cable Interface	F-Connector, female	Frequency Range	5MHz ~ 42MHz
CPE Network Interface	USB 1.1 and 10/100 Based-T RJ-45 Port	Modulation	
Dimensions	7.75in(w) x 5.4in(h) x 1.4in(D)	A-TDMA:QPSK,	8, 16, 32, 64QAM
Power Consumption	Maximum 8W	S-CMDA:QPSK,	8, 16, 32, 64, 128QAM
Power Supply	10V @ 1.0A	Maximum Data Rate*	0.32 ~ 10.24Mbits (QPSK)
Input Power	100-240 VAC, 50-60 Hz		0.64 ~ 20.48Mbits (16QAM)
Operating Temperature	0° C to 40° C (32° F to 104° F)		0.96 ~ 30.72Mbits (64QAM)
Operating Humidity	5 to 95% (non-condensing)	Symbol Rate	160, 320, 640, 1280, 2560, 5120 Ksymbols/sec
Downstream		RF Input/Output Power	
Frequency Range	88MHz ~ 860MHz	A-TDMA:	+8dBmV ~ + 58dBmV(QPSK)
Modulation	64 / 256 QAM		+8dBmV ~ + 55dBmV(QAM)
Maximum Data Rate*	30Mbits/sec (64QAM)		+8dBmV ~ +54dBmV (32/64
	42.8Mbits/sec (256QAM)	Wireless	
Symbol Rate	5.057/5.361/Msymbols/sec	Standards	IEEE 802.11; 802.11b/g; DSSS
RF Input/Output Power	-17 to +15dBmV (64 QAM),	Transmit Power	18dBm
	-15 to +17dBmV (256 QAM)	Operating Frequency	2400~2497MHz ISM band
Input Impedance	75 Ω	Data Rate	1, 2, 5.5, 6, 9, 11, 12, 24, 36, 48, &54 Mbps
Channel Bandwidth	6 or 8 MHz	Frequency Range	11 channels (2.412 to 2.462GHz)
		Antenna	External

Features

- DOCSIS 2.0 & CableHome 1.1 firmware
- Supports Bridge, NAT, Route, NATRoute & Cablehome operational modes
- Supports RIP v2 for Commercial environments
- Supports up to three public routable subnets/public IP addresses
- Ability to copy running-config to TFTP server (backup)
- Remote management via telnet, web, SSH, SNMP
- Supports VSIF (vendor specific information field)
- SPI firewall with port exclusion capability
- Static Routing (up to 5 entries)
- VPN local/remote end-point – IPSEC 3DES, support for up to 64 tunnels
- Advanced Gateway configuration including port-blocking, filtering, triggering & DMZ host
- Parental Control including Time of Day filter
- Access Control list based on IP address, MAC address & management
- TACACS or RADIUS Authentication
- Separate MSO/End-User login & password

Actual speeds will vary based on factors including network configuration and speed.