

Gnet BB0204 DOCSIS Cable Modem



The Gnet BB0204 DOCSIS Cable Modem provides high speed Internet access for office and work at home users by supporting data transfers of up to 38Mbps downstream and 30Mbps upstream. Installation is quick and easy. The unit enables cable operators to offer Internet access and broadband network applications using existing cable infrastructure. Advanced features include IP address filtering to protect the network against unauthorized traffic and SNMP agents that enable remote configuration and monitoring from a management station. DES data encryption effectively ensures privacy for transmitted information.

Features & Benefits

Performance & Compatibility

DOCSIS 2.0 compliancy ensures compatibility with most cable operator environments.

Full featured, compact and economical cable modem.

RJ-45 10/100BaseT Ethernet port provides traditional industry standard connection.

USB port allows easy plug-and-play attachment to PCs with the latest Microsoft Windows operating system.

Transmission speeds of up to 38Mbps downstream and up to 30Mbps upstream.

Network Support

Extensive SNMP management support.

IP address filtering for enhanced network security.

Simplicity

OS independent, works with all of the major software platforms.

Easy to read LEDs clearly display connection status and activity.

Always on connection eliminates delays and complicated set-ups.

Upstream (transmitted)	
Modulation	QPSK/16QAM
Symbol Rate	160, 320, 640, 1,280 and 2,560 Ksym/sec
Frequency Range	5 to 42Mhz
Channel Bandwidth	200, 400, 800, 1,600 and 3,200 kHz
Signal Level	8 to 55 dBmV(16QAM) 8 to 58 dBmV(QPSK)
Output impedance	75 ohms
Output Return Loss	>6 dB
Channel frequency accuracy	+/-50ppm
Symbol rate accuracy	+/-50ppm
Symbol timing jitter	<0.02 of the nominal symbol duration over a 2-sec period
Downstream (received)	
Modulation Type	64QAM/256QAM
Symbol Rate	5.056941(64QAM)/5.360537(256QAM)Msym/sec
Frequency Range	91 to 857MHz
Channel Bandwidth	6MHz
Signal Level	-15 dBmV to +15 dBmV
Total input power	(40-900Mhz) 30 dBmV
Input impedance	75 ohms
Input Return Loss	6dB
Downstream Protocol	ITU J.83-B with a subset interleave mode
MAC Protocol	MCNS/DOCSIS 1.1 Compliant MCNS/DOCSIS 2.0 Compliant
Supported Protocols	UDP, IP, ARP, ICMP, DHCP, TFTP, SNMP, HTTP
SNMP Support	MIB-II, Ethernet-like MIB, Bridge MIB, Cable Device MIB, Baseline privacy Interface MIB, RF Interface MIB
Security	Baseline privacy
DA Filtering	32 unicast addresses
CPE Interface	RJ-45 10 BaseT/100 BaseTx, USB B-Type
Cable Interface	Female "F" type RF Connector
Power Adapter Output	12VDC/1.25A
Power Consumption	<6Watts
Dimensions	120mm x 142mm x 30mm
Certifications	CableLabs for DOCSIS
Warranty	Lifetime parts and 1 year labour

Ordering Information

Product Name	Part Number	Contact Information
Gnet DOCSIS Cable Modem	BB0204	Canada: 1 (888) 482-8324 U.S.A: 1 (877) 922-4638