

UBEE DDM354

DOCSIS 3.0 CABLE MODEM

FEATURES

- DOCSIS 3.0 Certified
- Increased bandwidth for subscribers' multimedia and high bandwidth applications (up to 686 Mbps downstream, 122 Mbps upstream)
- 16 downstream channels and 4 upstream channels
- (1) 10/100/1000 Base Ethernet (RJ-45) provides high speed LAN capability
- IPv4 and IPv6 support
- Backwards compatible with 10/100 Ethernet and DOCSIS 1.x/2.0



PRODUCT SPECIFICATIONS

INTERFACE AND STANDARDS

Cable

External F-Connector, female

LAN

(1) 10/100/1000 Base Ethernet RJ-45 Port

DOCSIS 3.0 Certified

DOCSIS 1.0/1.1/2.0 Certified

DEVICE MANAGEMENT

- DOCSIS and Web-based configuration
- Telnet/SSH remote management
- Firmware upgrades via TFTP and HTTP
- Configuration backup and restore
- SNMP support
- IPv4 and IPv6 support

PHYSICAL AND ENVIRONMENTAL

Dimensions (in.)

5.83 (W) x 6.6 (D) x 1.5 (H)

Weight (lbs.)

0.715 lbs.

Power

AC input 90-132 VAC, 50/60 Hz, 0.6A max.

Operating Temperature

0°C - 40°C

Humidity

5-90% (non-condensing)



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PRODUCT SPECIFICATIONS

DOWNSTREAM

Frequency Range	88 MHz ~ 1002 MHz
Modulation	64 / 256 QAM
Channel B/W	6 MHz
Maximum Data Rate per channel	(up to 16 channels) DOCSIS: 30 Mbps (64 QAM), 42 Mbps (256 QAM)
Total Max Bandwidth (16 channels)	DOCSIS: 686 Mbps
Symbol Rate	5361 Ksps
RF Input Power	-15 to +15 dBmV (64 QAM) -15 to +15 dBmV (256 QAM)
Input Impedance	75Ω

UPSTREAM

Frequency Range	5 MHz ~ 42 MHz
Modulation	
A-TDMA	QPSK, 8, 16, 32, 64 QAM
S-CDMA	QPSK, 8, 16, 32, 128 QAM
Max B/W of 4 Channels	122.88 (108) Mbps
Symbol Rate	QPSK = 0.32 - 10.24 Mbps 8 QAM = 0.48 - 15.36 Mbps 16 QAM = 0.64 - 20.48 Mbps 32 QAM = 0.80 - 25.6 Mbps 64 QAM = 0.96 - 30.72 Mbps 128 QAM/TCM = 30.72 Mbps

RF Output Power

TDMA/ATDMA	+8 dBmV to +54 dBmV (32/64 QAM)
ATDMA only	+8 dBmV to +55 dBmV (8/16 QAM) +8 dBmV to +58 dBmV (QPSK)
S-CDMA	+8 dBmV to +53 dBmV (all modulations)