

UBEE U10C035

DOCSIS 3.0 CABLE MODEM

FEATURES

- Two-way design allows the cable modem to send and receive data over the cable television network
- DOCSIS® 3.0 certified and compliant
- Cable bandwidth allows up to 4 bonded downstream channels and 4 bonded upstream channels allowing data rates of up to 152 Mbps downstream and up to 108 Mbps upstream, which is faster than traditional DOCSIS 2.0 cable modems
- 10/100/1000 Base-T Ethernet (RJ-45)

PRODUCT SPECIFICATIONS

INTERFACE

RF Interface

CPE Interface

DOWNSTREAM

Frequency Range

Modulation

Maximum Data Rate 4 DS

RF Input/Output Power

Input Impedance

Channel Bandwidth

UPSTREAM

Frequency Range

Modulation

Maximum Data Rate 4 US



External F-Connector

10/100/1000 Base Ethernet RJ-45

88 MHz ~ 1002 MHz

64 / 256 QAM

171 Mbps (152 Mbps)

-15 to +15 dBmV

75Ω

6 MHz

5 MHz ~ 42 MHz

QPSK, 8, 16, 32, 64 QAM, 128 QAM (S-CDMA only)

122 Mbps (108 Mbps)



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PRODUCT SPECIFICATIONS

RF OUTPUT POWER

TDMA/ATDMA

+8 to +54 dBmV (32QAM, 64QAM) - ATDMA only
+8 to +54 dBmV (8QAM, 16QAM)
+8 to +58 dBmV (QPSK)

S-CDMA

+8 to +58 dBmV (all modulations)

NETWORK MANAGEMENT

- SNMP v1/v2/v2c and v3 agent Built-In
- Telnet
- Web UI
- IPv4 and IPv6 support

PHYSICAL SPECIFICATIONS

Dimensions

8.44 in. (W) x 6.48 in. (D) x 1.69 in. (H)

Power

12V/1A (Energy Star V - begin Jan. 2010)

Power Consumption

Power Consumption < 10W (Full Load)

Input Power

100-120VAC, 50-60 Hz

LEDs

Power, Send, Receive, Sync, Ready

CERTIFICATIONS

Safety

UL 60950; CE/FCC Class B

Others

RoHS, WEEE

STANDARDS

- DOCSIS 3.0/2.0/1.x Certified

ENVIRONMENT CONDITIONS

Operating Conditions

32°F to 104°F (0°C to 40°C)

Humidity

5 ~ 95% (non-condensing)

Storage Temperature

-40°F to 158°F (-40°C to 70°C)



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PRODUCT SPECIFICATIONS

RF UPSTREAM (CONT.)

Maximum Data Rate Per Channel	Modulation	Channel Bandwidth (MHz)	Raw Data Rate (Mbps)
	QPSK	1.6	2.56
	16 QAM	1.6	5.12
	QPSK	3.2	5.12
	16 QAM	3.2	10.24
	32 QAM	3.2	12.8
	64 QAM	3.2	15.4
	16 QAM	6.4	20.5
	32 QAM	6.4	25.6
	64 QAM	6.4	30.72

Maximum Operating Level		One Channel	2 Channels	3 or 4 Channels
TDMA	QPSK	+61 dBmV	+58 dBmV	+55 dBmV
	8 QAM	+58 dBmV	+55 dBmV	+52 dBmV
	16 QAM	+58 dBmV	+55 dBmV	+52 dBmV
	32 QAM	+57 dBmV	+54 dBmV	+51 dBmV
	64 QAM	+57 dBmV	+54 dBmV	+51 dBmV
S-CMDA	QPSK	+56 dBmV	+53 dBmV	+53 dBmV
	8 QAM	+56 dBmV	+53 dBmV	+53 dBmV
	16 QAM	+56 dBmV	+53 dBmV	+53 dBmV
	32 QAM	+56 dBmV	+53 dBmV	+53 dBmV
	64 QAM	+56 dBmV	+53 dBmV	+53 dBmV
	128 QAM	+56 dBmV	+53 dBmV	+53 dBmV



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RF UPSTREAM (CONT.)

Input Voltage	12 VDC
Power Consumption (Modem Module)	~ 5.0 Watts
Data Ports	Ethernet 10/100/1000 Base-T (Auto-sensing with Auto-MDIX) RJ-45 Ethernet (1)
RF	Female "F" Type
Impedance	75 ohms
Dimensions (H x D x W)	5.92 in. x 4.8 in. 1.15 in. (not including "F" connector)
Weight (Approximate)	8.4 oz.
Operating Temperature °F (°C)	32° to 104°F (0° to 40°C)
Operating Humidity	0 to 90% RH non-condensing
Storage Temperature °F (°C)	-4° to 140°F (-20° to 60°C)
Designed to Comply with the Following Standards	DOCSIS 3.0, 2.0, 1.1, 1.0
Regulatory and Safety Approvals	As required per county where the DPC3008 will be used