

U10C018 DATA CABLE MODEM



Product Highlights

- Small form factor measures at just 4.8" L x 5" W x 1.25" high
- DOCSIS 2.0 and 1.1 Certified
- Descriptive LEDs simplify installations
- Supports simultaneous use of USB and Ethernet ports
- In-line power supply reduces needed space on wall outlet
- Supports A-TDMA and S-CDMA for higher upstream rates
- WHQL Certified USB Drivers for Windows XP, 2000, Me, and 98SE
- Supports up to 32 users
- Local and remote diagnostics capability via built-in HTML page

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.

U10C018

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	4.8" L x 5" W x 1.25" high	A-TDMA:QPSK,	8, 16, 32, 64QAM
Power Consumption	Maximum 8W	S-CDMA: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)		
Symbol Rate	5.057/5.361/Msymbols/sec		
RF Input/Output Power	-17 to +15dBmV (64 QAM),		
	-15 to +17dBmV (256 QAM)		
Input Impedance	75 Ω		
Channel Bandwidth	6 or 8 MHz		

Features

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