



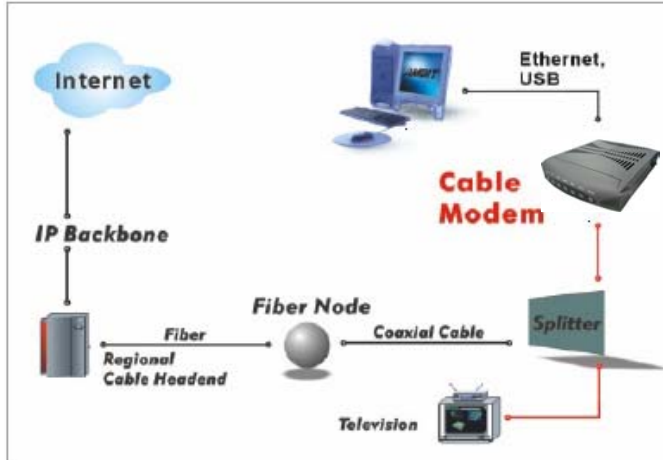
## Data Cable Modem – U10C018

The Ambit Data Cable Modem has been DOCSIS 2.0 CableLabs® Certified™ to ensure seamless integration with your network today and in the future. Ambit's years of experience in providing broadband technologies to service providers along with over 3 million cable modems sold worldwide has helped to create a product specifically designed with the MSO in mind. Simplicity, Support, and Value are all key benefits of the **Ambit Data Cable Modem**.

- **Simplicity** - Includes intuitive LEDs, making self-installations a snap. LEDs also allow installers and end-users to quickly determine if the modem is authorized for service. If utilizing USB, our WHQL certified drivers ensure compatibility with any Microsoft O/S. The in-line power supply eliminates the hassle of finding an available wall outlet. Simply connect your Ambit Data Cable Modem to the cable outlet and you're set!
- **Support** - MSOs can take advantage of Ambit's toll-free priority customer support for answers to your questions. Call anytime!
- **Flexible** - Allow your customers to use both the Ethernet and USB ports simultaneously for multiple connections or take advantage of the modem's support of up to 32 MAC addresses.
- **Remote Management** - Eliminate truck rolls with Ambit's comprehensive management utilities. MSOs can remotely and locally access the modem's internal web-based configuration pages.
- **Fast** - Quick sync-up significantly reduces installation times. Supports amazingly fast speeds of up to 43Mbps.

Ambit is a worldwide provider of broadband products. Our years of experience in providing routing solutions along with over 3 million cable modems sold worldwide has helped Ambit create products specifically designed with the MSO in mind.

## Application



## SPECIFICATION

Part Number: U10C018

Item	Downstream (Receiver)	Upstream (Transmitter)
Frequency Range	88MHz ~ 860MHz	5MHz ~ 42/65MHz
Modulation	64QAM/256QAM	QPSK, 8QAM/16QAM/32QAM/64QAM/128QAM
Symbol Rate	5.075/5.361/6.952 Msymbols/sec	TDMA: 160, 320, 640, 1280, 2560, 5120 Ksymbols/sec S-CDMA: 1280, 2560, 5120 Ksymbols/sec
Data Rate	30Mbps (64QAM) 43Mbps (256QAM)	TDMA: 0.32 ~ 30.72Mbps S-CDMA: 2.56 ~ 35.84 Mbps
RF Input/Output Power	-15dBmV ~ +15dBmV	+8dBmV ~ + 58dBmV(QPSK) +8dBmV ~ + 55dBmV(8QAM/16QAM) +8dBmV ~ + 54dBmV(32QAM/64QAM) +8dBmV ~ + 53dBmV(S-CDMA)
Carrier To Noise Ratio @BER<10	64QAM: 23.5dB 256QAM: 30dB	
CPE Interface	10/100 Based-T, Rj45 connector USB 1.0 & 1.1 Connector Type B	
RF Cable Interface	75 ohm F-type female connector	
MAC, LLC/SNAP, IP and CPE Filter	DOCSIS RFI	
Internet Protocol Stack	ARP, ICMP, IP, TCP/UDP, IGMPv2, RFC826, RFC792, RFC791, RFC768/793	
Provisioning Applications	DHCP, TFTP, ToD client, RFC2236	
SNMP Protocol	SNMP v2c, RFC2131/2132, RFC1350, RFC867, SNMP v3, RFC2571, RFC2576	
MIBs Support	RFC1905, RFC1213, RFC2011, RFC2013, RFC2669, RFC2670, RFC2233, RFC1907, RFC1493, draft - ietf-ipcdn - mcn - bpi - mib-01, Qos MIB, RFC2933, BBI+ _MIB, RFC2786, Ambit private	
Power Dissipation	< 7 Watts	
Dimension	32mm x 122mm x 110mm	

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MANUFACTURED BY  
CERTIFIED  
FACTORY

