



## Touchstone® WBM760B

### EuroDOCSIS™ 3.0 Cable Modem



#### Configuration

- Dual mode EuroDOCSIS 3.0 / DOCSIS® 3.0 compliant
- Channel Bonding (4 DS x 4 US)
- 10/100/1000 Base-T Ethernet interface
- IPv4 or IPv6 addressing modes for DOCSIS CM layer
- USB 2.0 interface
- Attractive space-saving package with flexible mounting options
- Simplified interoperability through PacketACE™ configuration file editor
- Two-way high speed IP services that enable higher bandwidth for interactive services

#### Applications

The Touchstone® Wideband Modem WBM760B is a dual mode EuroDOCSIS 3.0 and DOCSIS 3.0 compliant device that enables advanced high speed multi-media and symmetrical services through increased upstream and downstream bandwidths. With EuroDOCSIS 3.0 channel bonding, cable operators can offer data services at speeds greater than 160 Mbps to their subscribers to compete against VDSL and Fiber to the home threats, as well as provide a platform to deliver competitive high capacity commercial services to businesses. The WBM760B is backwards compatible with legacy EuroDOCSIS 1.0, 1.1, and 2.0 cable equipment and can be deployed without service interruption.

#### Performance

- Flexible NxM downstream/upstream channel bonding with superior throughput
- 1 GHz downstream RF tuner with up to 100 MHz capture bandwidth
- Multi-colored LEDs for rapid troubleshooting during installation or by phone with customer service
- Downstream scanning override via web GUI for rapid installation
- Meet or exceed industry radiated immunity and surge requirements
- Easy to install and operate

# ARRIS Touchstone EuroDOCSIS 3.0 Cable Modem WBM760B

## Specifications

### Physical

Operating Temperature °C (°F)	+5 to +40 (+41 to +104)
Operating Relative Humidity (Min-Max)	5-95%(Non condensing)
Storage Temperature °C (°F)	-40 to +70 (-40 to +158)
Dimensions (HxWxD) in. (cm)	7.1 x 1.7 x 5.9 (18.0 x 4.3 x 15.0) - excluding F-connector
Weight lbs (kg)	1.0 (0.46)
Diagnostic LEDs	Power, DS, US, Online, Link,

### Interfaces

RF Interface	External 'F' type connector
Ethernet Interfaces (bridged)	10/100/1000 Base-T Ethernet RJ-45
USB Interface (bridged)	High Speed (480Mbps) USB 2.0
Input Voltage (nominal)	115-240 VAC 50/60 Hz
Power Consumption (W)	7 (idle), 9 (max.)

### RF Downstream

Frequency Range (MHz)	108 to 1002
Bonded Channels	up to 4
Capture Bandwidth (MHz)	96 (typical)
Carrier Bandwidth (MHz)	8
Modulation (QAM)	64 or 256
Data Rate (Mbps)	up to 220
RF Input Sensitivity Level (dBmV)	-17 to +17
Total Input Power (80 to 1002 MHz, dBmV Max.)	33

### RF Upstream

Frequency Range (MHz)	5 to 65
Bonded Channels	up to 4
Modulation	QPSK, 8 QAM, 16 QAM, 32 QAM, 64 QAM & 128 QAM (S-CDMA only)
Data Rate (Mbps) (Max.)	up to 122
RF Output Level (dBmV – one channel)	
A-TDMA	+17 to 57 dBmV (32 QAM, 64 QAM); +17 to 58 dBmV (8 QAM, 16 QAM); +17 to 61 dBmV (QPSK) <i>Note: A-TDMA max output power reduced 3dB when transmitting two channels and 6dB when transmitting 3 or 4 channels.</i>
S-CDMA	+17 to +56 dBmV (all modulations) <i>Note: S-CDMA max output reduced 3dB when transmitting 2 or more channels.</i>
Automatic Level Adjust	Yes
Frequency Stability (kHz)	±5
Output Impedance (Ohms)	75

### Standards

EuroDOCSIS 3.0 / DOCSIS 3.0  
CE, CB  
RoHS, WEEE  
IEEE 802.3, IEEE 802.3ab  
WHQL, USB-IF

### Ordering Information

Part Number	Description
780133	Touchstone WBM760B/CE EuroDOCSIS 3.0 complaint data-only cable modem with integrated 115-240 VAC, 50/60 HZ power supply 6 foot CEE 7/16 European power cord. Includes Quick Install Guide, Ethernet Cable, USB Cable, and CD-ROM with user's guide and USB drivers