



## Touchstone® WBM760A DOCSIS® 3.0 Cable Modem Technical Specifications

### Specifications

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#### Physical

Operating Temperature °F (°C)	+32 to +122 (0 to +50)
Operating Relative Humidity (Min-Max)	5-95%(Non condensing)
Storage Temperature °F (°C)	-40 to +158 (-40 to +70)
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
Operating Temperature °F (°C)	+32 to +122 (0 to +50)

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#### 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 <i>(Note: USB not included on WBM760A/KE)</i>
Input Voltage (nominal)	115-240 VAC 50/60 Hz
Power Consumption (W)	7 (idle), 9 (max.)

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#### RF Downstream

Frequency Range (MHz)	108 to1002
Bonded Channels	up to 4
Capture Bandwidth (MHz)	96 (typical)
Carrier Bandwidth (MHz)	6
Modulation (QAM)	64 or 256
Data Rate (Mbps)	up to 160
RF Input Sensitivity Level (dBmV)	-15 to +15
Total Input Power (40 to1002 MHz, dBmV Max.)	33

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## ARRIS Technical Specification

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### Specifications Continued

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#### RF Upstream

Frequency Range (MHz)	5-42
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

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#### Standards

DOCSIS 3.0	eK/MIC
UL® 60950	RoHS, WEEE
FCC Part 15 Class B	IEEE 802.3, IEEE 802.3ab
CE, CB	WHQL, USB-IF

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### Ordering Information

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Part Number	Description
780145	Touchstone WBM760A/NA DOCSIS 3.0 complaint data-only cable modem with integrated 115-240 VAC, 50/60 HZ power supply with 6 foot NEMA 1-15 power cord. Includes Quick Install Guide, Ethernet Cable, USB Cable, and CD-ROM with user's guide and USB drivers
780142	Touchstone WBM760A/CE DOCSIS 3.0 complaint data-only cable modem with integrated 115-240 VAC, 50/60 Hz power supply with 6 foot CEE 7/16 Euro power cord. Includes Quick Install Guide, Ethernet Cable, USB Cable, and CD-ROM with user's guide and USB drivers
780144	Touchstone WBM760A/KE DOCSIS 3.0 compliant data-only cable modem with integrated 240 VAC, 50/60 HZ power supply with 6 foot KSC8305 Korean power cord. Includes Quick Install Guide, Ethernet Cable.

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Specifications are subject to change without notice.

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