



ARRIS Touchstone® WBM760C DOCSIS® 3.0 Japanese Cable Modem Technical Specification

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
Operating Temperature °C (°F)	+5 to +40 (+41 to +104)

Interfaces

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

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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Specifications Continued

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

DOCSIS 3.0
UL® 60950
CE, CB
VCCI
PSE
RoHS, WEEE
IEEE 802.3, IEEE 802.3ab

Ordering Information

Part Number	Description
780150	Touchstone WBM760C/JA DOCSIS 3.0 compliant data-only cable modem with integrated 100 VAC, 50/60 Hz power supply with 6 foot JIS 8303 (Class II) power cord. Includes Quick Install Guide.

Specifications are subject to change without notice.

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