MultiConnect® AW

Analog-to-Wireless Converter

The MultiConnect® AW analog-to-wireless converter is a convenient turnkey solution that allows legacy equipment with built-in analog modems to connect to the cellular packet data or circuit switched data networks. By emulating the traditional dial-up PSTN network and using integrated or external cellular modems, the affordable MultiConnect AW converter gives new life to devices currently using traditional analog dial-up communications.

Features

- 3G and 2G models available
- GSM and CDMA models available
- Serial port configuration
- FCC, PTCRB and R&TTE certified
- Supports packet data, circuit switched data and PPP pass-through modes
- RJ-11 port provides dial tone, ring, busy and DTMF detection
- Supports analog modem connections from 300 baud to 33.6K bps with error correction and data compression
- Two-year warranty

MultiConnect AW (MT100A2W)

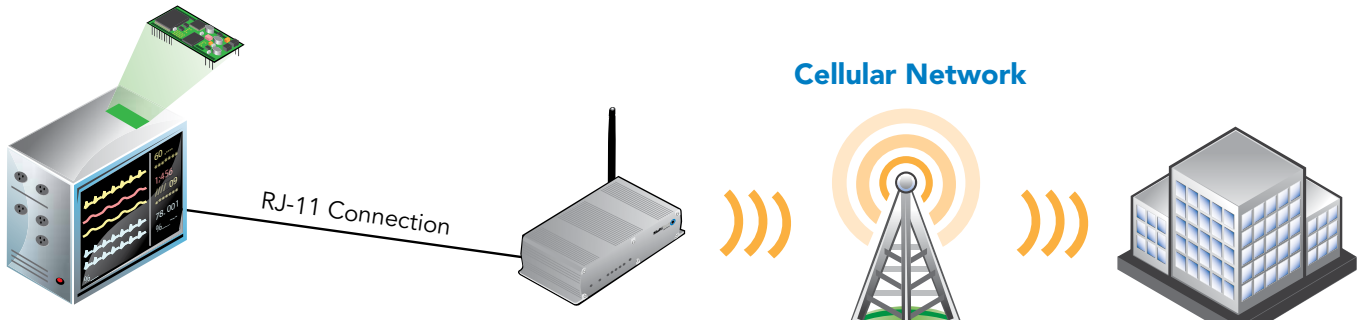
- Metal chassis for industrial applications
- Outbound and inbound calling
- LEDs for visual monitoring of power, signal strength, RS-232, and phone line status
- Separate model with RS-232 port for use with external CDMA modem

MultiConnect AW (MT200A2W)

- Plastic chassis for indoor environments
- Outbound calling only
- LEDs for visual monitoring of power, signal strength, and phone line status
- No RS-232 port for use with external modem

Benefits

- Analog-to-wireless migration
- Converts phone number to IP address
- Connects legacy dial-up devices to cellular network



Specifications

Models	MT200A2W-H5	MT200A2W-G
Technical Specifications		
Performance	HSPA+	GPRS Class 10
Frequency Band	Penta band 850/900/1700/1900/2100 MHz	Quad band 850/900/1900/2100 MHz
Packet Data*	HSDPA data service of up to 21.0 Mbps HSUPA data service of up to 5.76 Mbps	Up to 85.6K bps Coding Scheme CS1-4
Circuit Switched Data	Up to 14.4 Kbps, non-transparent	
Voltage	9V to 32V DC @ 400mA	
Connectors		
Rf Antenna Connector	50 ohm SMA (female connector)	
SIM Connector	Standard 1.8 and 3V SIM receptacle	
Dial Connector	RJ11	
Command Connector	DE9 (female connector)	
Power Connector	2.5mm miniature (screw-on)	
Physical Description		
Physical Dimensions (L x W x H)	2.89" x 4.75" x 1.58" 7.34cm x 12.06cm x 4.01cm	
Physical Weight	0.325 lbs 0.147 Kg	
Chassis Type	Plastic	
Environmental		
Operating Temperature**	-22°to 167° F -30° to 75° C	-40°to 185° F -40° to 85° C
Storage Temperature	-40°to 185° F -40° to 85° C	
Humidity	Relative humidity 20% to 90% noncondensing	
Certifications		
EMC Compliance Certifications	FCC Part 15, EN55022 Class B, EN55024	FCC Part 15 Class B, EN55022 Class B, EN55024
Radio Compliance Certifications	FCC Part 22, 24, 27, RSS132, 133, 139, EN301 489-1, EN301 489-7, EN301 489 24, EN301 511	FCC Part 22, 24, RSS132, 133, EN301 489-1, EN301 489-7, EN301 511, AS/ACIF S042.1, S042.3
Safety Certifications	UL60950-1, cUL60950-1, IEC60950-1, AS/NZS60950-1	UL 60950-1 2nd Edition, cUL 60950-1 2nd Edition, IEC60950-1 2nd Edition
Network Certifications	PTCRB, AT&T	

Specifications

Models	MT100A2W / MT100A2W-G	MT200A2W-C1
Technical Specifications		
Performance	GPRS Class 10	CDMA2000 1xRTT
Frequency Band	Quad band 850/900/1900/2100 MHz	Dual band 800/1900 MHz
Packet Data*	Class 10, full PBCCH support, coding schemes CS1-4, Mobile station Class B	Up to 153.6K bps forward and reverse
Circuit Switched Data	Up to 14.4 Kbps, non-transparent	
Voltage	9V to 32V DC @ 400mA	
Connectors		
Rf Antenna Connector	50 ohm SMA (female connector)	
SIM Connector	Standard 1.8 and 3V SIM receptacle	NA
Dial Connector	RJ11	
Command Connector	DE9 (female connector)	
Power Connector	2.5mm miniature (screw-on)	
Physical Description		
Physical Dimensions (L x W x H)	2.79" x 7.0" x 1.24" 7.07cm x 17.78cm x 3.15cm	2.89" x 4.75" x 1.58" 7.34cm x 12.06cm x 4.01cm
Physical Weight	0.78 lbs 0.320 Kg	0.325 lbs 0.147 Kg
Chassis Type	Metal	Plastic
Environmental		
Operating Temperature**	-40°to 140° F -40° to 60° C	-40°to 185° F -40° to 85° C
Storage Temperature	-40°to 185° F -40° to 85° C	
Humidity	Relative humidity 20% to 90% noncondensing	
Certifications		
EMC Compliance Certifications	FCC Part 15, EN55022, EN55024	FCC Part 15 Class B
Radio Compliance Certifications	FCC Part 22, 24, RSS132, 133, EN301 489-1, EN301 489-7, EN301 511, AS/ACIF S042.1, S042.3	FCC Part 22, 24
Safety Certifications	UL 60950-1, cUL 60950-1, IEC60950-1	UL 60950-1 2nd Edition, IEC60950-1:2005 (2nd Edition with EN 60950-1:2006+A11:2009)
Network Certifications	PTCRB	CDG 1&2

* Actual performance speeds may be affected by a variety of attributes such as cell tower distance, data loads, packet sizes, etc.

**UL Listed @ 40°C, limited by power supply. UL Certification does not apply or extend to an ambient above 40°C and has not been evaluated by UL for ambient greater that 40°C. "UL has evaluated this device for use in ordinary locations only. Installation in a vehicle or other outdoor locations has not been evaluated by UL. UL Certification does not apply or extend to use in vehicles or outdoor applications or in ambient above 40°C." (Note applicable to models that include power supply only) Optional power must be UL listed ITE power supply marked LPS or Class 2 rated 9-32Vdc, 1.44 - 0.4A.

Highlights

Applications.

The MultiConnect AW converter is targeted at applications that have an integrated analog modem as part of the solution, but need to utilize the cellular network for connectivity to their host application. Some examples include:

- Automated teller machines (ATMs)
- Credit card/POS terminals
- Home healthcare monitors
- Kiosks
- Security systems
- Industrial automation/utilities

Legacy PSTN Connectivity Alternative.

As it becomes more and more difficult to find analog phone lines in homes and businesses, and analog networks are being sunset, device manufacturers are faced with a problem of finding new ways to connect their legacy analog devices to newer digital communication networks. The MultiConnect AW converter seamlessly integrates with these types of devices allowing them to connect to the cellular network without requiring any changes to the remote device. Simply plug the RJ-11 cable from the existing device into the MultiConnect AW converter, enter a few configuration commands through the RS-232 serial port and you are ready to go.

Ordering Information

GSM Products

Product	Description	Accessories Included*	Region
MT200A2W-H5-US	3G Analog-to-Wireless Converter	Yes	US/Can
MT200A2W-H5-EU	3G Analog-to-Wireless Converter	Yes	Euro/ROW
MT200A2W-H5-GB	3G Analog-to-Wireless Converter	Yes	GB/Ireland
MT200A2W-G-NAM	2G Analog-to-Wireless Converter	Yes	US/Can
MT200A2W-G-EU	2G Analog-to-Wireless Converter	Yes	Euro/ROW
MT200A2W-G-GB/IE	2G Analog-to-Wireless Converter	Yes	GB/Ireland
MT100A2W-G-NAM	2G Analog-to-Wireless Converter	Yes	Global
MT100A2W-G-EU	2G Analog-to-Wireless Converter	Yes	Global
MT100A2W-G-GB/IE	2G Analog-to-Wireless Converter	Yes	Global

* Accessory Kit include power supply, antenna, and cables and are noted as follows.

-NAM Includes US style power plug

-US Includes US style power plug

-EU Includes Euro style power plug

-GB/IE Includes UK style power plug

CDMA Products

Product	Description	Accessories Included*	Region
MT200A2W-C1-N2-NAM	2G Analog-to-Wireless Converter for Sprint Networks	Yes	US/Can
MT200A2W-C1-N3-NAM	2G Analog-to-Wireless Converter for Verizon Wireless Networks	Yes	US/Can
MT100A2W-NAM**	2G Analog-to-Wireless Converter	Yes	US/Can

* Bundles include power supply, antenna, and cables and are noted as follows.

-NAM Includes US style power plug

** Requires an external Multi-Tech CDMA RS-232 style modem

Use ordering codes for specific build options. Go to www.multitech.com for detailed product model numbers

Services & Warranty

Multi-Tech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations. Products include a 2-year warranty that can be extended up to 5 years via Multi-Tech's Extended Warranty program, which offers the convenience of Overnight Service* for optimal uptime.

Extended Warranty & Overnight Services

To give you peace-of-mind and protect your investment, our Extended Warranty Service Plans ensure your Multi-Tech products are covered for 1, 2, or 3 years beyond the manufacturer's warranty with an optional Overnight Service plan*.

Installation Support

Multi-Tech's Installation Support Service delivers priority service with the ability to work one-on-one with an experienced Multi-Tech technical support engineer, to guide you through the installation process for our products.

Technical Support Services

At Multi-Tech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your Multi-Tech representative or visit www.multitech.com/support.go.

* Overnight replacement service is currently available for U.S. customers.

World Headquarters

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