MultiConnect™ AW

Analog-to-Wireless Converter

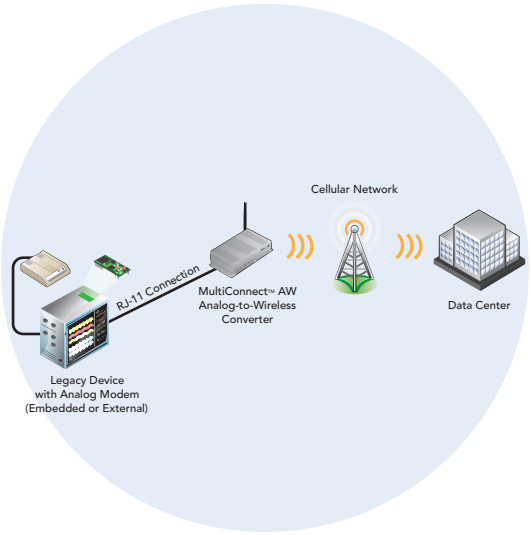
Benefits

- Analog-to-wireless migration
- Converts phone number to IP address
- Phone line simulation
- Outbound and inbound calling

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. Housed in a rugged industrial chassis, the MultiConnect AW converter operates on standards-based communication networks and can be desktop or panel mounted.

Features

- Turnkey solution with integrated quad-band GSM/GPRS modem, V.34/33.6K analog modem and SLIC for PSTN emulation
- Separate model for use with external CDMA modem
- 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
- Serial port configuration
- Rugged, industrial metal chassis
- LED's for visual monitoring of power, signal strength, RS-232 and phone line status
- SMA antenna connector and SIM socket
- FCC, PTCRB and R&TTE certified
- Desktop or panel mounting
- Two-year warranty



MultiTech® Systems

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)
- Home healthcare monitors
- Security systems
- Credit card/POS terminals
- Kiosks
- 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, 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.

Industrial Chassis. The MultiConnect AW converter is housed in a rugged, industrial chassis with one or two RS-232 connectors, an RJ-11 connector, and can be desktop or panel mounted. In addition, numerous LEDs provide visual monitoring of speed, link, activity, operational status and power. It is available with AC or DC power options.

Firmware Upgrades. Features flash memory, which allows for easy firmware updates. These upgrades allow the user to stay current with the latest enhancements that Multi-Tech has to offer.

Comprehensive Service and Support. The Multi-Tech commitment to service means we provide a two-year product warranty and service that includes technical support, 24-hour web site and ftp support.

Specifications

Packet Data Features

GPRS Class 10, PBCCH support
Coding Schemes: CS1 to CS4

Circuit Switched Data Features

Asynchronous, transparent & non-transparent up to 14.4K bps, MNP2 & V.42bis

Connectors

Power: 2.5mm miniature screw
SIM: Standard 1.8V/3V SIM receptacle (-G model only)
Configuration: DE-9 Female
Analog Modem: RJ-11
External Modem: DE-9 Male (MT100A2W only)
RF Antenna: 50 ohm SMA (Female connector, -G model only)

Power Requirements

9V to 32VDC @ 400 mA
MT100A2W-G (measured @ 9VDC)
Typical - 230 mA
Maximum - 340 mA
Peak - 1.43 A
MT100A2W (measured @ 9VDC)
Typical - 156 mA
Maximum - 233 mA

Physical Description

2.8" L x 7.0" W x 1.2" H; 11.5 oz.
(7.1 cm x 17.8 cm x 3.0 cm; 326g)

Operating Environment

-40° to +60° C

Certifications

CE Mark, R&TTE
EMC: FCC Part 15 Class B, 22, 24; EN 55022 Class B, EN 55024, EN 301 489-1, EN 301 489-7, EN 301 511; RSS 132, 133,102
Safety: cUL 60950-1, UL 60950-1; IEC 60950-1
Network: PTCRB, GCF

Ordering Information

Product	Description	Region
MT100A2W-G	Analog-to-Wireless Converter – GPRS	Global
MT100A2W*	Analog-to-Wireless Converter	Regional

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

Made in Mounds View, MN, U.S.A.

Features and specifications are subject to change without notice.

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