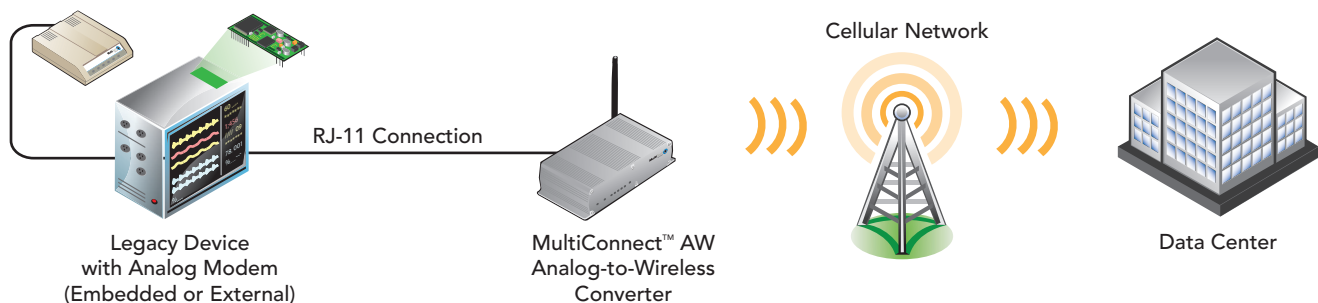


## Turnkey Solution Gives New Life to Analog-connected Legacy Devices

### The Customer's Need

PSTN lines in homes and businesses are increasingly scarce as providers sunset their analog networks. Even if a telecom company plans on keeping their PSTN service, they often focus on enhancing their cellular networks in lieu of their analog lines. Businesses with legacy analog applications need to migrate their device's connectivity to a cellular network or risk losing connections.



### Application 1:

A home medical device uses an internal modem to communicate vital data from a medical implant device to health professionals. It has a physical RJ-11 connector for a PSTN phone line and initiates a dial-up connection to a central server using the PPP protocol. However, in many homes analog connectivity is not a viable option. The MultiConnect™ AW analog-to-wireless converter provides an immediate and reliable solution for medical companies with devices that rely on analog connections, and extends the lives of these types of tele-health devices. It facilitates a PPP connection to the cellular network and passes-through PPP handshaking, resulting in the remote device being assigned a routable IP address by the cellular provider.

### Application 2:

ATM machines have internal dial-up modems for account verification. These machines often need to be deployed to sites where PSTN access is expensive or not available without running new phone lines. So, the ATM is interfaced with the MultiConnect AW analog-to-wireless converter via an RJ-11 connector and is programmed to facilitate a circuit-switched connection across the cellular network, allowing connectivity as well as faster transactions speeds. An activated SIM card is utilized to support the wireless circuit-switched data service.

### Application 3:

A company that installs and maintains residential security systems, uses sensors that connect to an analog modem to communicate alarming activities to the central office. Many homes now use digital VOIP technology that is incompatible with analog modems. To address this challenge, the company leverages the MultiConnect AW analog-to-wireless converter to transmit data across the cellular network – greatly prolonging the lives of its security devices. An added benefit to utilizing a wireless connection is that there are no analog lines for burglars to cut to disable the system.

### Multi-Tech's Solution

The MultiConnect AW analog-to-wireless converter was developed to extend the lives of legacy devices used in M2M (machine-to-machine) communications applications, including ATMs, home healthcare monitors, security systems, credit card/POS terminals, kiosks, industrial automation solutions and utilities devices. Two models are available, both integrating a Multi-Tech V.34/33.6K SocketModem® analog modem and SLIC (Subscriber Line Interface Card) for PSTN emulation. In addition, one model integrates a SocketModem embedded cellular modem supporting global deployments on any GSM/GPRS network, while a separate model has an RS-232 serial port for connection to an external Multi-Tech CDMA modem.



### Ordering Information

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

### About Multi-Tech Systems

Multi-Tech Systems is a global manufacturer of award-winning device and embedded modems and Unified Communications products that connect data over cellular networks from anywhere in the world. As a leader in the industry for 40 years, Multi-Tech's reputation for reliability and innovative design is evident with 80+ patents, 20+ million devices being used by thousands of customers worldwide and certifications from more than 30 carriers and over 80 countries. Multi-Tech is certified by the WBENC as a Women's Business Enterprise and by C-TPAT (Customs–Trade Partnership Against Terrorism).

#### World Headquarters

Multi-Tech Systems, Inc.  
2205 Woodale Drive  
Mounds View, MN 55112  
U.S.A.

Tel: (763) 785-3500  
Toll-Free: (800) 328-9717  
E-mail: [sales@multitech.com](mailto:sales@multitech.com)  
[www.multitech.com](http://www.multitech.com)

#### EMEA Headquarters

Multi-Tech Systems (EMEA)  
Unit 1, Thames Court  
2 Richfield Avenue  
Reading, Berkshire RG1 8EQ  
United Kingdom

Tel: +(44) 118 959 7774  
E-mail: [sales@multitech.co.uk](mailto:sales@multitech.co.uk)

#### EMEA Sales Office

Multi-Tech Systems (EMEA)  
Le Dôme  
1 Rue de la Haye – BP 12910  
95731 Roissy CDG Cedex  
France

Tel: +(33) 1 49 19 22 06  
E-mail: [sales@multitech.fr](mailto:sales@multitech.fr)