

MultiConnect® Cell 100 Series



GPRS Cellular Modem Designed for Europe

The MultiConnect® Cell 100 Series GPRS cellular modem is a part of Multi-Tech's comprehensive line of modems for M2M (machine-to-machine) communications. All MultiConnect Cell 100 Series modems are fully certified so you can get to market extremely fast, allowing customers to start obtaining the benefits of M2M. Designed specifically for M2M applications, they provide a long, stable lifecycle and are durable, reliable and easy to deploy. In addition, the MultiConnect Cell 100 Series is available with several different interface options to cover a variety of application needs.

Features

- Frequency bands: 850/900/1800/1900 MHz
- Models available with USB or RS-232 interface
- Configured using AT commands
- Rugged, military and SAE tested
- Fully certified
- Two-year warranty, upgradable to five years



Benefits

- Quick deployments to shorten time to market
- Long and stable lifecycles
- Fully certified and GCF approved



Specifications

Model	MTC-G3
Performance	GPRS Class 10
Frequency Band	Quad-band 850/900/1800/1900 MHz
Packet Data*	Up to 85.6 K downlink Up to 85.6 K uplink
SMS	Point-to-Point Messaging, Mobile-Terminated SMS, Mobile-Originated SMS
Operating System Support	Windows XP/Vista/7/8/2007/2008 (32-bit/64-bit), 2003 (32-bit) Linux (2.6.x or greater)
Power Requirements	
Voltage	USB Models: USB powered RS-232 Models: 7 - 32VDC
Connectors	
RF Antenna	50 ohm SMA (female connector)
SIM	Mini SIM; 1.8 and 3V
USB	Type B mini
RS-232	DE9
Power	RS-232 Models: 2.5 mm miniature (screw-on)
Physical Description	
Physical Dimensions (L x W x H)	3.17" x 2.45" x 1.16" (8.05 cm x 6.22 cm x 2.95 cm)
Physical Weight	0.65 lbs (0.295 Kg)
Chassis Type	Aluminum
Environmental	
Operating Temperature†	-40° to +185° F (-40° to +85° C)
Storage Temperature	-40° to +185° F (-40° to +85° C)
Humidity	Relative humidity 15% to 93% noncondensing
Certifications	
Regulatory	R&TTE (EU Economic Area)
Safety	IEC60950-1 (EU Economic Area)
Network	GCF approved module (EU carriers)
Quality	MIL-STD-810: High Temp, Low Temp, Cold Dwell, Random Vibration and Sine Vibration SAE J1455: Random Vibration and Sine Vibration

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

† Device has been tested up to +85° C. UL Recognized @ 40° C, limited by AC power supply. UL Recognized @ 60° C when used with the fused DC power cable, part number FPC-532-DC. Note: The radio's performance may be affected at the temperature extremes. This is considered normal. There is no single cause for this function. Rather, it is the result of an interaction of several factors, such as the ambient temperature, the operating mode and the transmit power.

Highlights

Applications

The MultiConnect Cell 100 Series cellular modems are ideal for automated machine-to-machine applications such as remote diagnostics and remote monitoring which periodically need to send or receive data over a wireless network.

Comprehensive Service and Support

The Multi-Tech commitment to service means we provide a two year product warranty and service that includes free technical support, 24 hour website, and FTP support.

Ordering Information

GPRS Products for Europe

Model	Description	Bundle Available	Region
MTC-G3-B06-xx	GPRS Cellular Modem (RS-232 interface)	Yes	EU
MTC-G3-B08-KIT	GPRS Cellular Modem (USB interface)	Included	EU

-xx Ordering Codes for MTC-G3 models

Blank	Device only, no accessories
-EU-GB	Includes EU & UK style power supply, antenna(s) and RS-232 cable
-KIT	Includes antenna and USB cable (USB models only, USB powered)

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.

Extended Warranty

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.

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.

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