

# MultiConnect<sup>®</sup> Cell 100 Series

GPRS Cellular Modem Designed for Europe



The MultiConnect<sup>®</sup> 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 Serial interface
- Configured using AT commands
- Rugged, military and SAE tested
- 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)
<b>Power Requirements</b>	
Voltage	<b>USB Models:</b> USB powered <b>RS-232 Models:</b> 7 - 32VDC
<b>Connectors</b>	
RF Antenna	50 ohm SMA (female connector)
SIM	Mini SIM; 1.8 and 3V
USB	Type B mini
RS-232	DE9
Power	<b>RS-232 Models:</b> 2.5 mm miniature (screw-on)
<b>Physical Description</b>	
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
<b>Environmental</b>	
Operating Temperature†	-40° to +185° F (-40° to +85° C)
Storage Temperature	-40° to +185° F (-40° to +85° C)
Relative Humidity	15% to 93% noncondensing
<b>Certifications</b>	
Regulatory	R&TTE (EU Economic Area)
Safety	IEC60950-1 (EU Economic Area)
Network	GCF approved module (EU carriers)
Quality	<b>MIL-STD-810:</b> High Temp, Low Temp, Cold Dwell, Random Vibration and Sine Vibration <b>SAE J1455:</b> 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 MultiTech 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-BO6-xx	GPRS Cellular Modem (RS-232 interface)	Yes	EU
MTC-G3-BO8-KIT	GPRS Cellular Modem (USB interface)	Included	EU
<b>-xx Ordering Codes for MTC-G3 Models</b>			
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](http://www.multitech.com) for detailed product model numbers.

### SERVICES & WARRANTY

MultiTech'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.

### INSTALLATION SUPPORT

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

### TECHNICAL SUPPORT SERVICES

At MultiTech, 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 MultiTech representative or visit [www.multitech.com/support.go](http://www.multitech.com/support.go)

### World Headquarters

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Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

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