

Mobile Gateway Plus



Wireless Online Extension of Enterprise Network

IN-VEHICLE COMMUNICATIONS

Serve Customers Better and Increase Profitability by Turning Your Vehicles into Mobile Workstations

Equipped with a Mobile Gateway Plus (MG-Plus), just about any vehicle becomes an office on wheels. This industrialized, open system PC-based host computer quickly and easily installs in truck cabs and cars, creating a wireless online extension of your enterprise-wide network. The MG-Plus provides in-vehicle connectivity and communications capabilities needed to gather, prepare, send and receive data anytime, anywhere.

The MG-Plus opens the road to higher profitability and productivity as well as improved customer service in motor freight, parcel delivery or private fleet operations. The MG-Plus also meets the specialized requirements of public safety and law enforcement agencies for durability and portability, increasing effectiveness of personnel, cutting paperwork and providing a platform for your in-vehicle systems today and in the future.

Complete In-Vehicle System

The MG-Plus supports a multi-tasking, multi-threaded operating environment (MGOS) using industry standard protocols and offers a 80386-class processor to meet your peripheral and processing requirements. It includes a solid-state disk drive for application storage and data backup. Five ports provide the peripheral connectivity necessary for a comprehensive in-vehicle workstation, and an uninterruptible power supply with NiCad battery backup ensures continuous operation of the MG-Plus, even in the event of a power loss.

Wireless Network Communications Versatility

The Mobile Gateway Plus provides wireless communications options to keep your mobile workers in touch with your host system—whether they're in or out of their vehicles. Wireless Wide Area Network (WWAN) radio modems keep your drivers and dispatchers in communication with real-time wireless data exchange. Spectrum24® Wireless LAN (WLAN) technology connects the MG-Plus to the portable terminals in the hands of your workers.

The Data You Need—Where and When You Need It

The real impact of the Mobile Gateway Plus is strategic. The MG-Plus solution takes mission-critical technology that's vital to your operations and brings it to your mobile assets. With the MG-Plus, you'll be able to collect, concentrate and communicate all the data that's key to your operations. Symbol Technologies offers the MG-Plus as a complete solution, providing full system integration, software, service and support.



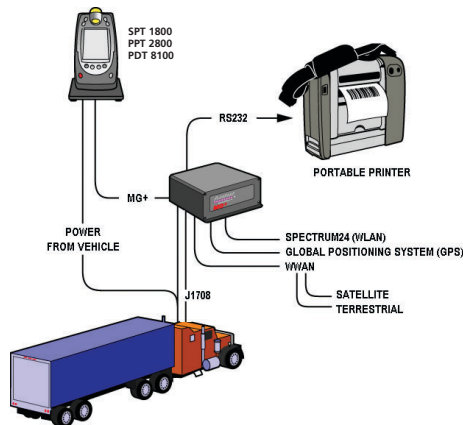
Features	Benefits
Solid state disk drive	Ample room for application storage and data backup
Three RS-232 auxiliary serial ports	Ability to add a wide variety of peripherals, including WWAN modems, GPS receivers, vehicle sensors, printers and more
Terminal cradle port	Provides charging and communications capabilities for Symbol terminals, including the SPT 1800, PPT 2800 and PDT 8100
WLAN connectivity (via Spectrum24® IEEE 802.11) and WWAN connectivity, including Cingular/Mobitex, and Satellite	Real-time anytime, anywhere communications inside or beyond your company walls
Optional Global Positioning System (GPS)	Ability to track vehicle location
Optional dual PC Card support for Type II or Type III	Enables additional storage
UPS with NiCad battery backup	Ensures continuous operation even in event of power loss

The Mobile Gateway Plus: the engine of technology driving your vehicles—and your organization—to new levels of productivity, performance and profitability, and it's from Symbol Technologies, world leader in data capture, communications and management solutions. For more information on how the Mobile Gateway Plus can help your organization, contact any of the locations listed on the back of this panel, or visit us at www.symbol.com/logistics

Symbol Mobile Gateway Plus Specification Highlights

Physical Characteristics	
Dimensions:	With Mounting Plate: 6.6 in. L x 9.5 in. W x 3 in. H/16.7 cm L x 24.1 cm W x 7.6 cm H
Housing:	Rugged metal enclosure
Communications	
Peripheral RS-232 Ports:	3-9 pin DE9 connector; 300 bps to 115.2 Kbps data rate
Cradle I/F:	9 pin DE9 connector, male; 300 bps to 38.4 Kbps data rate
System Performance Characteristics	
Operating System:	MGOS (Win32, multi-threaded, multi-tasking)
RAM and Flash:	4 or 8 MB RAM; 4 or 8 MB NVM
Power:	9-32 V DC (12 or 24 volt systems) with rugged, industry-standard 4-pin power connector with chassis ground
NiCad Battery Backup:	Provides up to 5 minutes of operation after complete loss of primary power
Environmental Characteristics	
Operating Temperature:	-4° to 140°F/-20° to 60°C
Storage Temperature:	-40° to 176°F/-40° to 80°C
Humidity:	< 95% RH non condensing
Vibration:	SAE specification J1455, 4G maximum acceleration
Inactivity Monitor:	Programmable timer for automatic system power-down after vehicle power has been turned off
Real-Time Clock:	Real-time clock with battery backup
Wireless Data Communications	
Wireless Local Area:	Spectrum24® 802.11 or 802.11b
Data Rate:	2 Mbps (frequency hopping) or 11 Mbps (direct sequence)
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz
WWAN Network:	Cingular/Mobitex
Global Positioning System Receiver:	Automatic vehicle positioning information
Regulatory	
EMI/RFI	FCC Part 15 Class B; ICES-003 Class B

This illustration represents various configurations of the MG-Plus. Please contact Symbol Technologies for details.



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For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.



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