

MCG-101

Communication hub for emergency responders

Intelligent Satellite Terminal

An intelligent PBX solution using Iridium to provide voice and data via satellite during emergency relief scenarios

The MCG-101 for Emergency Services

The MCG-101 was designed as an intelligent PBX solution using Iridium to operate as a telephone, Internet portal, GPS device, and SMS terminal. The core of the MCG-101 is a powerful processor with a complete PBX capable of dynamic call functions, and easy customization via a web interface. You can attach equipment or computers via Ethernet, serial, or USB. The MCG-101 utilizes the latest digital technology which enables the system to provide clear and true to life audio.

Telephone

You can connect any standard analog telephone directly to the MCG-101 and start using the Iridium network. All of your calls are digitally processed for the best quality.

GPS Tracking

The MCG-101 contains an embedded GPS receiver for GPS tracking, with 20 channels, -159dbm sensitivity, and a 2 meter accuracy.

Wifi

Connect via wifi to enable phone calls directly from your mobile phone.



Markets

- Business PBX
- Marine
- Military
- Mining
- NGO
- Payphone
- RUDICS
- SBD Applications
- SCADA
- Tracking

Data Capabilities

Connect to the Internet at 2.4K

Connect to RUDICS for custom applications

Short Burst Data for small messages

Ethernet for automatic dialup

Serial port for legacy modems or applications

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Internet/Ethernet

Connecting your computer to the Internet is as simple as plugging it in. Just connect your computer and go online, and the MCG-101 will automatically connect to the Internet for you. You can also configure the MCG-101 via the ethernet port.

USB

USB port for expansion to connect external peripherals.

SIM Card

The MCG-101 has an external SIM card slot which makes installing or changing the SIM card fast and simple.

Voice Capabilities

Connect any standard analog telephone or any SIP capable phone to the MCG-101 and you can start making phone calls. Digital audio processing and ASIC echo cancellation give you the best audio quality, and with Iridium, you can call from anywhere to anywhere in the world.

Customization

The MCG-101 is a fully capable processing platform that can be easily configured for custom call routing, data applications, and special projects. The system features a full PBX that can run an entire office, and run custom software as well. An SDK is available allowing you to develop your own solutions for complex projects. By using the MCG-101 as a standard platform, the development time is shortened, allowing you to deliver finished solutions to your customers fast.

PBX Features

- Automated Attendant
- Blacklists
- Blind Transfer
- Call Detail Records
- Call Forward
- Call Monitoring
- Call Parking
- Call Queuing
- Call Retrieval
- Call Routing (DID & ANI)
- Call Waiting
- Conference Bridging
- Database Integration
- Dial by Name
- Direct Inward System Access
- Distinctive Ring
- Do Not Disturb
- Flexible Extension Logic
- Macros
- Privacy
- Protocol Conversion
- Supervised Transfer
- Three-way Calling
- Transcoding
- Voice mail
- Visual Indicator for Msg Waiting
- Stutter Dial tone for Msg Waiting
- Voice mail
- Web Voice mail Interface
- Graphical Call Manager

DC Input Voltage

12V@ 2A

Dimensions

30 mm x 108 mm x 155 mm
1.18 in x 4.25 in x 6.1 in

Weight

2 lbs

