

Fixed Site Phones



POTS phone (left top) and Intelligent Handset (right top) not included with BEAM RST100 Fixed Site Iridium System.

SPECIFICATIONS :

Dimensions: 8.8" x 10.6" x 1.2" (22.5 x 27.1 x 4.5 cm)

Rack mount console weight: 4.9 lbs (2.25 kg)

Operating Temperature: 5°F (-15°C) to 131°F (55°C)

Storage Temperature: -22°F (-30°C) to 158°F (70°C)

Humidity: 93% NonCondensing

Power: 11-32 VDC. At 12 VDC, the unit (without intelligent handset option) draws 0.35 Amps in standby, 0.51 Amps while transmitting. An 110/240 AC power supply is supplied with the RST100.



Rear view of BEAM RST100 Fixed Site Iridium System.

BEAM RST100A & Antenna

The RST100 Remote Satellite Terminal by BEAM provides voice, data, and messaging services through the Iridium network. A standard RJ-11 phone (not included) can be used with this system. Data at 2400 bps is supported using an RS-232 serial port. An LED display indicates the status of power, satellite signal strength, ongoing call status, and voicemail waiting.

Kit includes the following:

- Transceiver with data cable, 110/240 AC-DC supply, mounting bracket, user guide/CD
- Mast Antenna with 1" threaded pipe mount
- 10-meter Antenna Cable (TNC-to-TNC type)

Options: External Ringer/Alarm, Intelligent Handset, 20-meter cable set. A similar DC-powered unit, the RST110, is available for marine applications.



OTHER ANTENNA OPTIONS

We offer a variety of mast mount, ruggedized mast mount, permanent mount vehicular antennas, and magnetic-mount vehicular antennas.

High quality antenna cables are available in 10-meter, 20-meter, and 25 meter lengths.

Active antennas are also available if longer antenna cable runs are needed.



Rack-Mount MXU 4-Line Iridium Phone



The MXU is designed for a standard 19" rack. It can be used in vehicular or fixed applications requiring a PBX, internet access, or **simultaneous voice and data** capability. Inbound calls automatically **roll over** if the lead phone number is busy. All 4 channels (4-Line model) can be multiplexed to achieve 9.6 kbps combined data rate (**40,000bps effective data rate** with compression). Requires 115-230 VAC 50/60 Hz. Requires adapter for POTs phone equipment.

SPECIFICATIONS:

Dimensions: Rack: 19.0" x 20.0" x 7.0" (48.3 x 50.8 x 17.8cm)
Rack mount console weight: 25lbs (11.33kg)
Operating Temperature: 32°F (0°C) - 113°F (45°C)
Storage Temperature: -4°F (-20°C) - 140°F (60°C)
Humidity: 80% Relative Humidity at 104°F (40°C)
Power: 115/230 VAC, 50/60 Hz 115 Watts
Interface to PBX/PSTN: complies CRT21 (Europe); FCC part 68 (USA)
Operating (transmit and receive): 1616 - 1625.5 Mhz
Link Margin (w/external antenna): 12.5 dB average
Minimum distance between antennas: 3ft. / .9144m
Maximum loss between MXU / antennas: 3 dB Loss

Includes: console, 4 antennas with cable kit s and mast mounting kit, telephone cable kit, and user manual.

Options: Long-Range 4-line Wireless Phone System (approx. 0.25 mile range with external antenna); internet data software; aircraft antenna set; 10-m antenna cable extensions; encryption; POTs adapter.

