

ReliaCELL 10-20

- **Global Cellular Support for:**
 - 2G GSM
 - 2.5G 1x RTT
 - 3G HSDPA/UMTS/EVDO Rev A
 - 4G LTE
- **Ready to Deploy – certified and carrier approved**
- **Ruggedized for commercial and industrial applications**
- **Optional GPS capability**



FEATURES

Ruggedized - IP67 Mountable – The enclosure design makes the ReliaCELL 10-20 ideally suited for harsh environments; whether it is indoors or outside, it provides the cellular connectivity for your application or appliance needs

Easy Cellular Technology Migration – The ReliaCELL 10-20's unique concept allows for easy integration with your appliance or IoT device, swapping ReliaCELL models as cellular technology updates are needed, and avoiding time-consuming redesigns and massive hardware replacement costs

No Cellular Certification Costs – When using the ReliaCELL as the cellular module for your M2M or IoT device, it has all of the cellular certifications completed allowing for rapid deployment of new product developments

Easy Installation – The ReliaCELL 10-20 is installed to a flat surface through signals of a USB on either a USB 2.0 or 3.0 connector. Once plugged in and screwed on, it is sealed and waterproof, ready for deployment with standard software drivers to enable the cellular connection

The ReliaCELL 10-20 is a rugged cellular adapter that is easily mountable to flat surfaces. Deployable for products sold globally, the ReliaCELL 10-20 offers a distinctive approach to providing cellular connectivity within the M2M, IoT and internet appliance marketplace. With its rugged and small design, it simplifies product development, time-to-market and costs associated with implementing a cellular solution. It becomes an easy addition to existing or new applications sealing onto the surface of an enclosure, weatherproof or not, with a simple USB connection and SMA connectors for antennas.

Enabling cellular technology is one of the toughest and most time-consuming challenges enterprise customers face and the ReliaCELL 10-20 simplifies this aspect of their solution. The ReliaCELL 10-20 modularizes the cellular component of embedded product development uniquely to allow it to be added to systems without making compromises on ruggedization. Now customers save time and money while avoiding the hassle of certifying with cellular carriers since the ReliaCELL 10-20 is already certified.

The ReliaCELL 10-20 is offered in several cellular technologies providing the flexibility to adapt should your product roadmap or application requirements evolve from 2G to 3G to 4G. Simply switching from a 2G to a 3G ReliaCELL solution, for example, will allow you to maintain the key system components of your appliance without incurring significant hardware costs or the lost time and resources associated with recertification of your device.

Variants

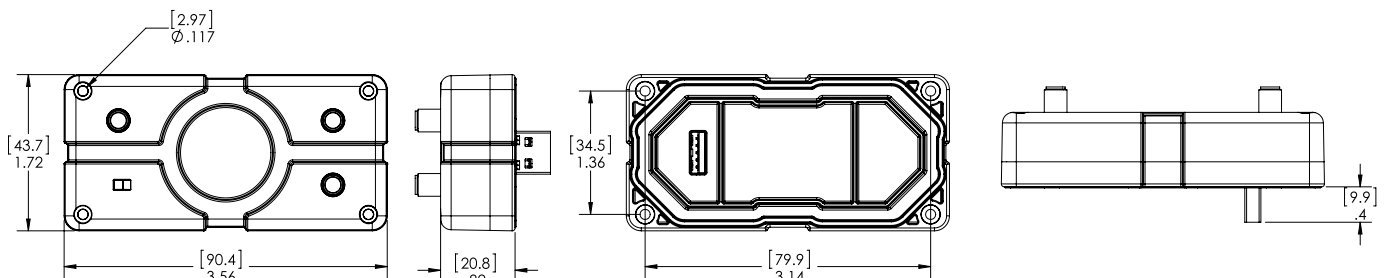


ReliaCELL Model	10-20-34,-35,-36,-37	10-20-21	10-20-30,-32	10-20-25,-26
Cellular Technology	HSPA+	GPRS	EV-DO Rev. A	CDMA 1xRTT
Upload	Up to 5.76 Mbps	16-24 Kbps	Up to 1.8 Mbps	Up to 153 Kbps
Download	Up to 21 Mbps	32-48 Kbps	Up to 3.1 Mbps	Up to 153 Kbps
Frequencies	GSM GPRS EDGE: 850,900,1800,1900 MHz UMTS HSPA: 800,850,900,AWS1700, 1900,2100 MHz	4 Band GSM GPRS: 850,900,1800,1900 MHz Quad Band GPRS Class 10	Dual-band EV-DO Rev. A 800/1900 MHz	Dual-band CDMA 1xRTT 800/1900 MHz
GPS (Optional) Not available : -36 (South Korea) -37 (Japan)	Standalone GPS L1 1575.42 MHz GPS NMEA 0183 Output Accuracy 3M Sensitivity -161 dBm Hot Start -147 dBm Cold start -166 dBm Tracking	NA	Standalone GPS L1 1575.42 MHz, Glonass (L1,FDMA), NMEA Data, Accuracy 3M, Sensitivity, -145 dBm Acquisition -160 dBm Navigation -161 dBm Tracking	NA
Regulatory	FCC part 15 B,IC (Industry Canada), PCTRB, TELEC (Japan), SKT(South Korea)	FCC part 15 B, IC (Industry Canada) / PCTRB	FCC part 15 B	FCC part 15 B
Safety	UL 60950-1/CSA-22.2, IEC-60950-1	UL 60950-1/CSA-22.2, IEC-60950-2	UL 60950-1	UL 60950-1
Environmental	SAE J1455 Vibration Mil-810-F Shock	SAE J1455 Vibration Mil-810-F Shock	SAE J1455 Vibration Mil-810-F Shock	SAE J1455 Vibration Mil-810-F Shock
Networks/Country	EU, North America, AT&T, T-Mobile, Japan, South Korea, Mexico Pending: Bell, Telus, Rogers	EU, North America, AT&T, T-Mobile Pending: Bell, Telus, Rogers, Mexico	Verizon, Sprint	Verizon, Sprint

Specifications



INTERFACES	1x USB Port SIM	USB2.0 Type A Compatible for Cellular Only Dual microSIM, internal & field replaceable
ANTENNAS	Cellular GPS/Glonass	2 SMA (Main & Diversity if available) SMA (Optional) Not on all modules
POWER	5VDC	500mA Typical
PHYSICAL	Enclosure Mounting Panel Operating temperature	Polycarbonate (3.56"x1.75"x.82") Mount- 4 M2.5 screws, metric -40° to +85°C



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