MSI-9020 CellScale™ RF CellModem

Standard Features

- Modem only component; provides serial interface with computers, printers and scoreboards to a CellScale network
- 2.4 GHz spread spectrum frequency hopping
- Power cable, 13 ft (4 m) for 9-30 VDC input
- One communication port; RS-232 or RS-422, 13 ft (4 m) interface cable
- NEMA Type 4, IP65 enclosure (NEMA Type 6, IP67 with long range antenna)

Approvals

Specifications

Enclosure:
NEMA Type 4, IP65 milled anodized aluminum with O-ring gaskets
NEMA Type 6, IP67 with optional long range antenna

Weight:
3.5 lb (1.6 kg)

Annunciators:
3 LED status lamps for Power, Data TX/RX and Configuration

Power Input:
9-30 VDC (Internal 85-265 VAC, 47-440 Hz power supply optional)

Operating Temperature:
-4°F to 158°F (-20°C to 70°C)

Radio Link:
FHSS at 2.4 GHz (up to 64 network selections)

Radio Link Effective Range:
Typically 500 ft (150 m) indoor, 1000 ft (300 m) outdoor with standard antennas.
(See optional antennas for longer range)

Standard Antenna:
1/2 wave 2dBi, articulated

RFI/EMI Shielding:
Exceeds NIST HB44 and CE Standards

Data I/O:
1 Comm Port with two connector interfaces for RS-232 and RS-422

Warranty:
One-year limited

Approvals:
NTEP CC 05-077

Part Number/Price

Part #	MSI Part #	Description	Est. Weight	Price
138477	502536-0001	MSI-9020 RF CellModem, DC power	7 lb (3.5 kg)	$2,425.00
138478		MSI-9020 RF CellModem, AC/DC power		Consult

Options/Accessories

Part #	MSI Part #	Description	Est. Weight	Price
Consult	Consult	Internal 85-265 VAC, 47-440 Hz power supply	-	$320.00
143466	12147	Long range antenna, 300 m-500 m omni-directional with 9 dBi gain, includes 10 ft/3 m coaxial cable	1 lb (0.45 kg)	$445.00
Consult	Consult	9 dBi or 14 dBi gain corner reflector antenna	1 lb (0.45 kg)	Consult
Consult	Consult	5 dBi gain vehicle/cab mount whip antenna, includes 17 ft/5.2 m coaxial cable	1 lb (0.45 kg)	Consult
137567	502046-0001	Non-terminated serial cable for communication port connection, 13 ft/4 m longer lengths available by special order	1 lb (0.45 kg)	$110.00
Consult	Consult	CellScale Virtual Monitor (CVM) application software (enables PC to emulate scale indicator)	Consult	Consult