

MSI-9020 CellScale™ RF CellModem



Standard Features

- Modem-only component; provides serial interface with computers, printers and scoreboards to a CellScale network
- 2,4GHz spread spectrum frequency hopping
- Power cable, 4 m for 9-30 VDC input
- One communication port; RS-232 or RS-422, 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:

1,6 kg

Annunciators:

Three 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:

-20° C to 70° C

Radio Link:

FHSS at 2,4 GHz (up to 64 network selections)

Radio Link Effective Range:

Typically 150 m indoor, 300 m outdoor with standard antennas. (See optional antennas for longer range)

Standard Antenna:

1/2 wave 2 dBi, articulated

RF/EMI Shielding:

Exceeds NIST HB44 and CE standards

Data I/O:

One 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	3,5 kg	Consult
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	-	Consult
143466	12147	Long range antenna, 300 m-500 m omni-directional with 9dBi gain, includes 3 m coaxial cable	0,45 kg	Consult
Consult	Consult	9 dBi or 14 dBi gain corner reflector antenna	0,45 kg	Consult
Consult	Consult	5 dBi gain vehicle/cab mount whip antenna, includes 5,2 m coaxial cable	0,45 kg	Consult
137567	502046-0001	Non-terminated serial cable for communication port connection, 4 m longer lengths available by special order	0,45 kg	Consult
Consult	Consult	CellScale Virtual Monitor (CVM) application software (enables PC to emulate scale indicator)	Consult	Consult