



Antenna

Sectoral 5-GHz 90-deg 16-dBi Dual-Pol

AT A GLANCE

4.940-5.875 GHz 16 dBi dual linear H Pol. / V Pol.

Built-in GPS antenna

Flying cable leads for all antenna connections

Includes antenna mounting hardware w/mechanical downtilt

Fits 40-120 mm (1.5 to 4.75 in) mast

RDL-3000 mounts directly to back of antenna

ORDERING CODE
AFS-DBG-0590-02

ELECTRICAL

Cross Polarization	> 20 dB
Electrical Downtilt	0 Degrees
F/B	>25 dB
Gain	16 dBi
HP Azimuth Beamwidth	90 Degrees
HP Elevation Beamwidth	6.5 deg
Impedance	50 ohms
Input Power	50 W
Isolation	> 30 dB
Lightning Protection	DC Gnd
Polarization	Dual Linear H & V
VSWR	1.5:1

MECHANICAL

Antenna Termination	2 x Flying Leads (N-Male)
Antenna Type	Flat Panel
Bracket	Included
GPS Gain	RHC 4 dBiC
GPS Termination	Flying Lead (TNC Male)
Integrated GPS	Yes
Mechanical Downtilt	10 Degrees
Product Dimensions	650x200x42mm (25.6x7.9x1.7in)
Radio Direct Mount	Yes
Weight	4.2 kg

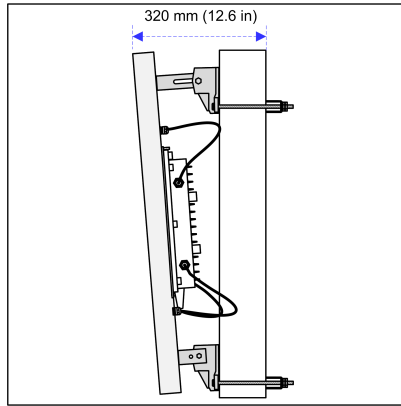
ENVIRONMENTAL

Ingress Protection	IP67
Operating Temperature	-40 to +75 C (-40 to 167 F)
Wind Load Front Thrust	21 Kg (46 lb)
Wind Load Speed	160 kph (100 mph)
Wind Speed (Survival)	160 km/h (100 mph)

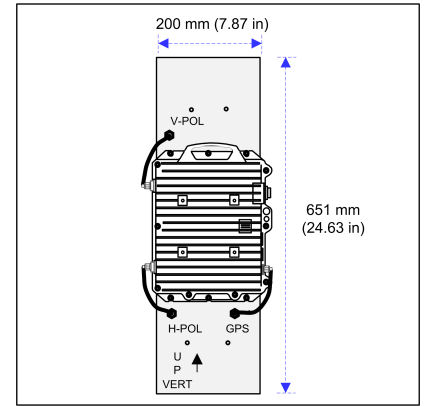
Front



Side



Rear



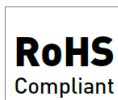
REDLINE VIRTUAL FIBER

Redline Virtual Fiber is your smart alternative to deliver IP connectivity whenever fiber-like performance is required and you need to deploy rapidly, where fiber is not available, or fiber is impractical. With simple setup and connection, scalable performance options, superior physical security and reliability, Redline Virtual Fiber provides flexibility not available with fiber.

REDLINE PROFESSIONAL SERVICES

Redline Professional Services cover the entire spectrum of complex tasks to design, build, optimize, and manage private wireless broadband networks. From product training and cell planning to complete turnkey solutions, let Redline and their global partners help you realize and manage a world class wireless network. Redline is widely recognized as having one of best customer support programs in the wireless industry for delivering responsive customer and solution support everywhere Redline's products are deployed.

COMPLIANCE



ABOUT REDLINE COMMUNICATIONS

Redline Communications (www.rdlcom.com) is the innovator of Virtual Fiber, a rugged wireless broadband solution used to cost-effectively deploy and extend secure networks, enable machine-to-machine (M2M) applications, connect digital oilfields and smart grids, facilitate and enhance public safety networks, and bring Internet access wherever and whenever it's needed - regardless of terrain or remote location. For more than a decade Redline has delivered powerful, versatile and reliable wireless systems to governments, militaries, oil and gas companies and telecom service providers through its global network of certified partners.

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*In Redline's continuing effort to improve performance, specifications are subject to change without notice.

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