



## Antenna

Sectoral Dual-pol 470-698 MHz 90 degree 11 dBi

### AT A GLANCE

|  |   |
|--|---|
| 90 degree sector antenna                       | Includes antenna mounting hardware          |
| 470-698 MHz 11 dBi dual linear H Pol/V Pol     | Fits 40-120 mm (1.5 to 4.75 in) mast        |
| Built-in GPS antenna                           | RDL-3000 mounts directly to back of antenna |
| Flying cable leads for all antenna connections |   |

### ORDERING CODE

AFS-DBG-60090-01

### ELECTRICAL

|                               |                   |
|-------------------------------|-------------------|
| <b>Cross Polarization</b>     | > 20 dB           |
| <b>F/B</b>                    | > 25 dB           |
| <b>Gain</b>                   | 11 dBi            |
| <b>HP Azimuth Beamwidth</b>   | 90 Degrees        |
| <b>HP Elevation Beamwidth</b> | 25 Degrees        |
| <b>Impedance</b>              | 50 Ohm            |
| <b>Input Power</b>            | 100 W             |
| <b>Isolation</b>              | > 25 dB           |
| <b>Polarization</b>           | Dual Linear H & V |
| <b>Stackable</b>              | Yes               |
| <b>VSWR</b>                   | 1.5:1             |

### MECHANICAL

|                            |                           |
|----------------------------|---------------------------|
| <b>Antenna Termination</b> | 2 x Flying Leads (N-Male) |
| <b>Antenna Type</b>        | Flat Panel                |
| <b>Bracket</b>             | Included                  |
| <b>GPS Gain</b>            | RHC 4 dBiC                |
| <b>GPS Termination</b>     | Flying Lead (TNC Male)    |
| <b>Integrated GPS</b>      | Yes                       |
| <b>Mast Size</b>           | 40-120 mm (1.5-4.75 in)   |
| <b>Radio Direct Mount</b>  | Yes                       |
| <b>Weight</b>              | 20 kg                     |

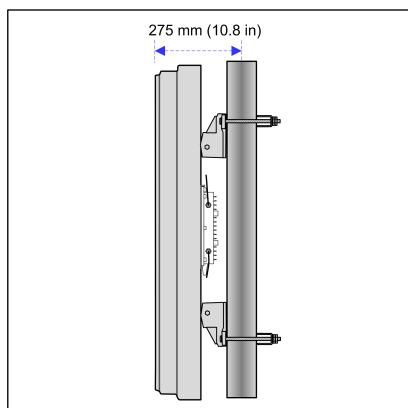
### ENVIRONMENTAL

|                              |              |
|------------------------------|--------------|
| <b>Ingress Protection</b>    | IP65         |
| <b>Operating Temperature</b> | -40 to +75 C |

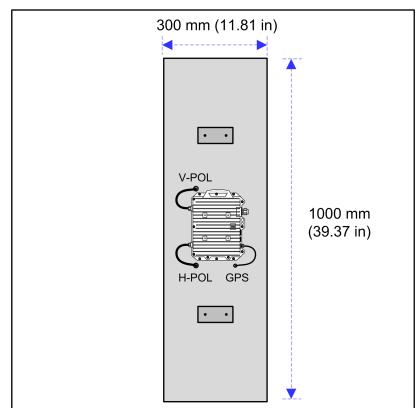
**Front**



**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](http://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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communications