

Quicksilver QS-100

Designed for teams, the NAL Quicksilver provides a reliable, secure connection.

Overview

The QS-100 delivers the latest Iridium® Certus 100 mid-band service in a compact, rugged package for global on-the-move (OTM), over-the-horizon (OTH), and beyond-line-of-sight (BLOS) connectivity. Suitable for both standalone usage and embedded integration, it simplifies low-profile installations by employing a small detachable, passive, omni-directional antenna. The QS-100's modular design makes it the ideal mid-band solution for remote command and control (C2), diagnostic monitoring, telemetry, and voice applications.

Key Features

- Mobile and desktop web browser-based management (Chrome, Firefox, Edge, Internet Explorer, and Safari compatible)
- Operating system independent (e.g., Windows, Linux, iOS, and Android)
- Software API for customized, embedded applications
- Supports multiple IP protocols (e.g., TCP, UDP, HTTP, HTTPS, etc.)
- Supports popular encrypted voice / messaging apps (e.g., Signal)
- Alternate AT commands & RS-232 interface
 - Drop-in upgrade for NAL A3LA products
 - Easy integration with serial-based systems
- Multiple GPIO pins for control (including external ON / OFF)

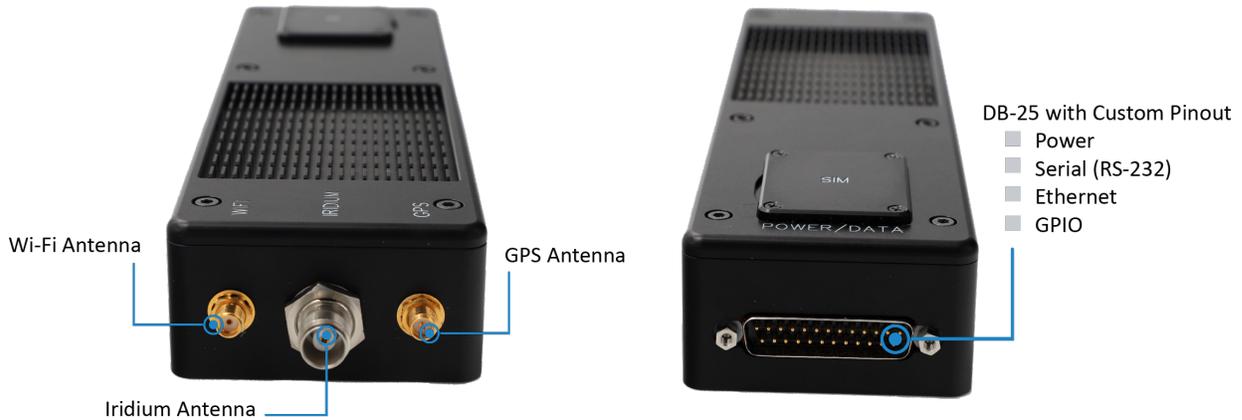


Applications

- Land mobile, maritime, and aviation data upload/download from diverse platforms
- Unmanned Systems C2 and Sensor Data
 - Land Robotics
 - Maritime Sensing
 - Aviation Platforms
- Remote Sensor M2M / IoT Monitoring & Control
 - Weather Stations
 - Maritime Buoys
 - Environmental Monitoring
 - Infrastructure (Utilities, Oil, Gas)
- Low-Profile Vehicle Data Links
 - Encrypted Data & Voice
 - Platform System Monitoring



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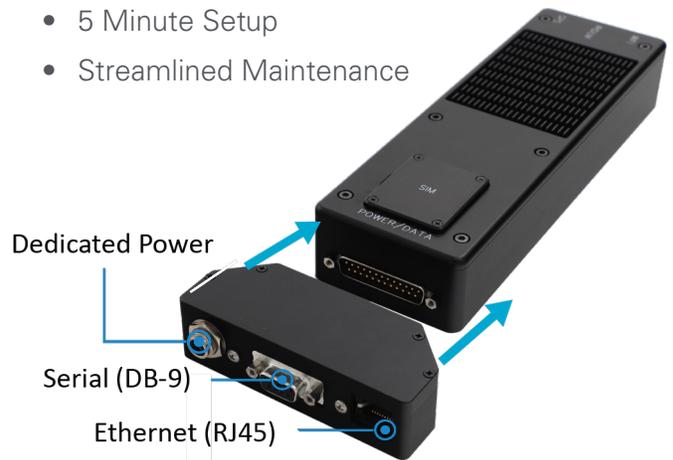


What's In The Box?

- QS-100 Terminal
- Iridium, WiFi, and GPS Antennas
- Ethernet and Iridium Antenna RF Cables
- Data Adapter
- Quick Start User Guide
- AC to DC Power Supply

Data Adapter

- Breakout for DB-25 Connector
- 5 Minute Setup
- Streamlined Maintenance



Terminal Specifications

Weight	26.2 oz (0.74 kg)
Dimensions	8.4" (21.34 cm) x 2.5" (6.86 cm) x 1.5" (3.81 cm)
Operating Temperature	-20° C to +50° C
Environmental Rating	IP67 Natural Convection Cooling
Mechanical / Emissions	MIL-STD-810G / MIL-STD-461E
Power	
Option 1:	10 – 32 VDC (<1.75 A @ 12 VDC)
Option 2:	AC / DC Supply with 12 VDC / 2.0 A (max)
RF Interfaces	
Iridium:	TNC Female
GPS:	SMA Female
Wi-Fi:	RP-SMA Female
Data Interfaces	
Physical:	DB-25 Male Custom Pinout (Ethernet & RS-232 Serial)
Wireless:	Wi-Fi

Iridium Antenna Options

All Options: Passive, Omni-Directional, Helical

Styles: Stub, Mast-Mount, Puck, Blade

Mounting: Screw-on, Through-Hole, Bolt, Magnetic

Applications:

- Fixed-site
- Manned & Unmanned Platforms
- Maritime, Land-Mobile, and Aviation Solutions