



IP-Based Interfaces

Ethernet
Wi-Fi (Optional)



Easy Setup/Install Kit

5 Minutes Out-of-Box to On-Air



Improved Throughput

22 kbps Uplink (10X)
88 kbps Downlink (36X)

Quicksilver QS-100 Terminal

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, omnidirectional 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)
- Built-in firewall for data management and enhanced security
- 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)

"Best-In-Class" electrical power usage in idle, standby, receive & transmit modes.

No reliance on GPS for operation.

At ~26oz the QS-100 is on average < 45% of the size & volume of its competitors!

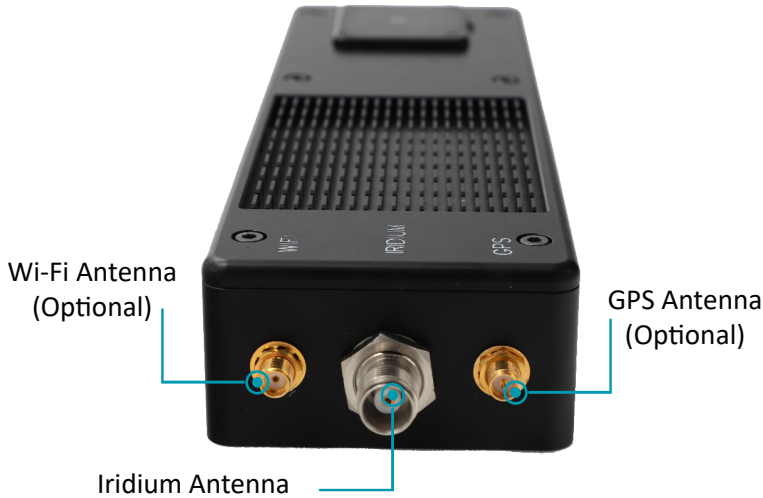


Applications

- Land mobile, maritime, and aviation data upload/download from diverse platforms
- Unmanned Systems C2 and Sensor Data (i.e. - Land Robotics, Maritime Sensing, & Aviation Platforms)
- Remote Sensor M2M/IoT Monitoring & Control (i.e. - Weather Stations, Maritime Buoys, Environmental Monitoring)
- Infrastructure (Utilities, Oil, Gas)



FRONT



BACK



DB-25 with Custom Pinout

- Power
- Serial (RS-232)
- Ethernet
- GPIO

What's In the Box?

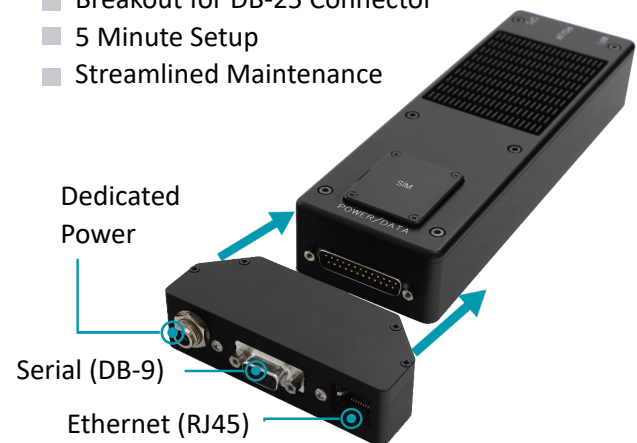
- QS-100 Terminal
- Iridium, Wi-Fi, and GPS Antennas
- Ethernet and Iridium Antenna RF Cables
- Data Adapter
- Quick Start User Guide
- AC to DC Power Supply

Terminal Specifications

Weight:	26.2 oz (0.74 kg)
Dimensions:	8.4" (21.34 cm) x 2.7" (6.86 cm) x 1.5" (3.81 cm)
Operating Temperature:	-40° C to +65° C
Environmental Rating:	IP67 Natural Convection Cooling
Mechanical / Emissions:	MIL-STD-810G / MIL-STD-461E
Power:	Input: 10 – 32 VDC (18 W or Higher Power Supply Recommended)
	Typical Performance (@ 12 VDC):
	Idle: 2.0 W
	Full-rate RX: 5.5 W
RF Interfaces:	Iridium: TNC Female
	GPS: SMA Female
	Wi-Fi: RP-SMA Female
	Full-rate TX: 4.8 - 9.6 W (Satellite Position Dependent)
Data Interfaces:	Physical: DB-25 Male Custom Pinout (Ethernet & RS-232 Serial)
	Wireless: Wi-Fi (optional)

Data Adapter

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



Iridium Antenna Options

All Options: Passive & Omni-Directional

Styles: Stub, Mast-Mount, & Puck

Mounting Options: Screw-on, Bulkhead, & Magnetic

Applications:

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



DEFAULT STUB OPTION: SAF9700

Size: 0.91" (23 mm) D x 2.25" (57 mm) H
Weight: 1.20 oz (34 g)
Gain: +2 dBic (at zenith)
Connector: SMA male

MAST-MOUNT:
SAF9701



PUCK:
SAF9702/3



AVIATION:
SAF9704

