



The MiFi® Powered™ SA 2100 Smart. Simple. Secure.

The only versatile and cost-effective IoT solution that incorporates the industry-leading MiFi® technology for a variety of fixed and mobile applications.

Versatility

The compact SA 2100 is designed with multiple mounting options and connectivity interfaces for IoT applications including Fixed Telemetry, Fleet Management and Asset Tracking, and Connected Car, right out of the box. Internal antennas minimize installation time and cost, while auto-switching between internal and external antennas provides options to ensure the best RF performance in any situation.

Fast and Future Proof

With connectivity to 4G LTE and 3G networks, the SA 2100 provides the highest wireless data rates and the longest device service life. Now managers can upgrade firmware remotely, manage devices centrally and reduce the number of costly site visits, all while being assured that their solution will support carrier network updates for years to come.

Reliability

The rugged SA 2100 is designed to get connected easily and stay connected. The MiFi® Powered™ platform offers unique features to ensure business continuity. Battery backup delivers instant failover during power outages. Advanced security of encryption and authentication protocols offers peace of mind. The extended operating temperature range makes the SA 2100 the reliable choice.

Easy Deployment, Easy Integration

Securely connect, collect and transmit valuable field data quickly and easily, just install and deploy – no complicated configurations or programming necessary. Designed with multiple interfaces, internal antennas, intuitive web UI, pre-configured default settings, and self-registration to the central management already enabled, the SA 2100 is built with “Power it up, ready to connect” in mind.

Cloud Management

With cloud-enabled N4A™ Device Manager software, any number of devices can be easily managed and monitored around the globe in a cost-efficient and scalable manner. The N4A™ Device Manager features remote management and monitoring from a central location to configure, monitor, manage and even update devices and assets all over the air, minimizing costly onsite visits.

Specifications

Cellular	
Certified Bands	<ul style="list-style-type: none"> • 4G LTE: 700/850/AWS (1700 MHz)/1900 MHz (B2, B4, B5, B17) • 3G UMTS/HSPA/HSPA+: 850/900/AWS/1900/2100 MHz (B1, B2, B4, B5, B8) • 3G CDMA 1xEV-DO Rev. A/Rev. 0: 800/1900 MGz • 2G GPRS/EDGE: 850/900/1800/1900 MHz (B8, B9, B13, B14)
Routing	DHCP server, DNS, static or dynamic IP address, port filtering, port forwarding, IPv6 (Verizon)
Security	NAT, SPI Firewall, VPN pass-through, MAC access control
Certifications	FCC, IC, PTCRB, GCF, CE, Wi-Fi Alliance, eMark, CSA Approved, AT&T, Verizon, T-Mobile, Bell
Hardware	
Dimensions	107 x 81 x 30 mm
Weight	220 g
Power	<ul style="list-style-type: none"> • Input Power Range: 9-32 VDC (Molex Connector); 12V or 24V vehicle ready • Battery Backup: Hours of continuous usage • Power Save mode
LAN	<ul style="list-style-type: none"> • Wired: 1 Ethernet port (RJ45 Connector) • Wireless: Wi-Fi 802.11 b/g/n, 10 clients, pre-configurable, security: WEP/WPA/WPA2
Interfaces and I/O	<ul style="list-style-type: none"> • Micro USB on-the-go (latched) • Micro SIM card slot • 2 Digital inputs • 1 Digital output (latched) • 1-Wire® interface • 2 User-controlled I/O
Antennas	<ul style="list-style-type: none"> • Internal cellular antenna (primary + diversity) • External cellular antenna (primary + diversity; automatically switches between internal and external; SMA Connector) • Internal Wi-Fi antenna (2.4 GHz) • Internal GPS antenna (1575 MHz)
LEDs	Signal strength, network indicator, power/battery, Wi-Fi
Environmental	<ul style="list-style-type: none"> • Operating Temp.: -30°C to 70°C (external power), -20°C to 60°C (battery) • Storage Temp.: -40°C to 85°C (external battery), -20°C to 60°C (battery) • Relative Humidity: Up to 95% non-condensing
Optional Accessories	Rechargeable Li-ion battery, power adapter (Molex AC), power cable (Molex DC), mounting bracket, mounting bracket (in-vehicle), USB cable, USB cable (latched), external cellular antenna (SMA)
Device Management	
Production Env.	Cloud-based
Bulk Provisioning	Over-the-air or local
Firmware Upgrade	FOTA or local