



SA 2100

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4G LTE (N.A.) / 3G DC HSPA+ (R.O.W.)

The world's first M2M device with 4G LTE connectivity, Wi-Fi access, GPS tracking, internal antennas, plus battery backup.

Introducing the SA 2100 by Novatel Wireless - an advanced MiFi® Powered TM M2M device that incorporates the industry leading MiFi technology platform with customization for multiple M2M vertical markets.

VERSATILE DEVICE

Whether fixed or mobile application, from protecting people with streaming video surveillance to engaging customers with streaming media content; from empowering energy meters to enabling professionals on the move; from connecting remote sites to connecting service fleet, SA 2100 is a critical component of the M2M world.

FAST AND FUTURE PROOF

With connectivity to the fastest 4G or 3G networks, SA 2100 provides long device service time, being supported on carrier networks for the foreseeable future.

COMPACT SIZE

Small size combined with the high performing internal antennas make the SA 2100 a perfect fit for tight installations.

CLOUD-BASED MANAGEMENT

Managing machines distributed around the world is made easy with N4A™ Device Manager, a cloud-based solution with scalability to manage millions of devices, and intelligence to monitor user-defined events. Device Manager is available free of charge for 90 days with Novatel Wireless engineering support.

EASY DEPLOYMENT AND INTEGRATION

From multiple interfaces, internal antennas, intuitive LED displays, flexible mounting options, to default settings preconfigured and self-registration to the central management enabled, SA 2100 is built with "Power it up, ready to connect" in mind - now that is Smart Access.

M2M EXPERT SUPPORT

Distributed around the globe, Novatel Wireless engineers support a diverse range of fixed and mobile applications. With Novatel Wireless as a trusted advisor and partner, enterprises are sure to reap the rewards of the M2M revolution.

TARGETED VERTICAL MARKETS

- Digital Signage
- Kiosks
- Gaming Machines
- Video Surveillance
- At-Home Healthcare
- ATMs
- Vending Machines
- Parking Meters

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WWAN

Frequency

- 4G LTE: 700/850/AWS/1900 MHz
- 3G UMTS/HSPA/HSPA+: 850/900/AWS/1900/2100 MHz
- 2G GPRS/EDGE: 850/900/1800/1900 MHz

Bands

- LTE: B2, B4, B5, B17
- WCDMA: B1, B2, B4, B5, B8
- GSM: B8, B9, B13, B14

Data Speed

- LTE: 100 Mbps
- DC-HSPA+: 42 Mbps
- HSPA+: 21 Mbps

Routing

DHCP server, DNS, static or dynamic IP address, port filtering, port forwarding

Security

NAT, VPN pass-through, IPSec VPN, MAC access control

LAN

- Wired: 1 Ethernet port (RJ45 Connector)
- Wireless: Wi-Fi 802.11 b/g/n, 10 clients, pre-configurable security: WEP/WPA/WPA2

ANTENNA

- 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)

INTERFACES AND I/O

- 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



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FOR MORE INFORMATION: M2Msales@nvtl.com **NASDAQ:** NVTL **WEBSITE:** novatelwireless.com

Specifications are subject to change, please see your Novatel Wireless contact for more details.

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LED

- Signal strength, network indicator, power/battery, Wi-Fi

DEVICE MANAGEMENT

- Production Env.: Cloud-based
- Testing Env.: Cloud-based; 90-day free access with engineering support
- Bulk Provisioning: Over-the-air or local
- Firmware Upgrade: FOTA or local

POWER

- Input Power Range: 9-32 VDC (Molex Connector); 12V or 24V vehicle ready
- Battery Backup: 10-hour continuous (optimal)

CASE

- Dimension: 107 x 81 x 30 mm
- Weight: 220 g
- Mounting Acc.: Mounting bracket, Velcro tape, tie-wrap, bolts, adhesive
- Mounting Opt.: Wall, ceiling, floor, vehicle, existing structure, flat surface

ENVIRONMENT

- Operating Temp.: -30°C to 70°C (external power)
-20°C to 60°C (battery)
- Storage Temp.: -40°C to 85°C
- Relative Humidity: Up to 95% non-condensing

CERTIFICATIONS

- FCC, IC, PTCRB, GCF, CE, Wi-Fi Alliance, eMark, Safety, AT&T

PART NUMBERS

- Device: LTE1101-50 (LTE); UMT1301-50 (HSPA+)
- Starter Kit: LTE1101-2KT (LTE); UMT1301-2KT (HSPA+)

ACCESSORIES

- Lithium battery
- Power adapter (Molex AC)
- Power cable (Molex DC)
- Mounting bracket
- Mounting bracket (in-vehicle)
- USB cable
- USB cable (latched)
- External cellular antenna (SMA)