

iSite Lite / Connect 4G Router

iSite Lite
iSite Connect



iSite Lite



iSite Connect

Industrial Cellular Router

OVERVIEW

The SIL iSite Lite / Connect are a cost-effective, industrial mobile router range with embedded intelligent features that are designed for diverse M2M/IoT applications.

Utilising WCDMA, 4G LTE carrier support and drop-in connectivity, the iSite range excels for operators looking to maximize uptime and reliability.

With easy deployment and comprehensive remote device management via SilverNet's 'iSite Hub', the iSite range is extremely versatile in most IoT/M2M applications.

Combining this with SilverNet's 'iSite VPN', you can create secure tunnels to your private networks.

The iSite Connect uses an embedded cellular modem and contains dual SIM slots for network failover. Thus, the iSite Connect provides 3G/4G cellular network connectivity with up to 150 Mbps download capacity and up to 50 Mbps uplink. With 2 fast Ethernet ports and Wi-Fi 802.11b/g/n supported, these capabilities can deliver users uninterrupted internet access.

The iSite Lite contains Integrated watchdog and multi-link failover detection. It provides stable communications.

Features

- NXP Industrial Grade Processor
- Global 4G LTE CAT4/3G Network with Dual SIM Cards for backup between multiple Carrier Networks
- Automated failover/failback between Ethernet / Wi-Fi and cellular (SIM card)
- Rugged enclosure with IP30 protection for harsh environments
- 2 Year Warranty as standard
- Establishes a secured mechanism on centralized authentication and authorization of device access by supporting AAA (Radius, TACACS+, LDAP, local Authentication) and multiple levels of user authority
- Embeds hardware watchdog to automatically recover from various failures, ensure highest level of availability

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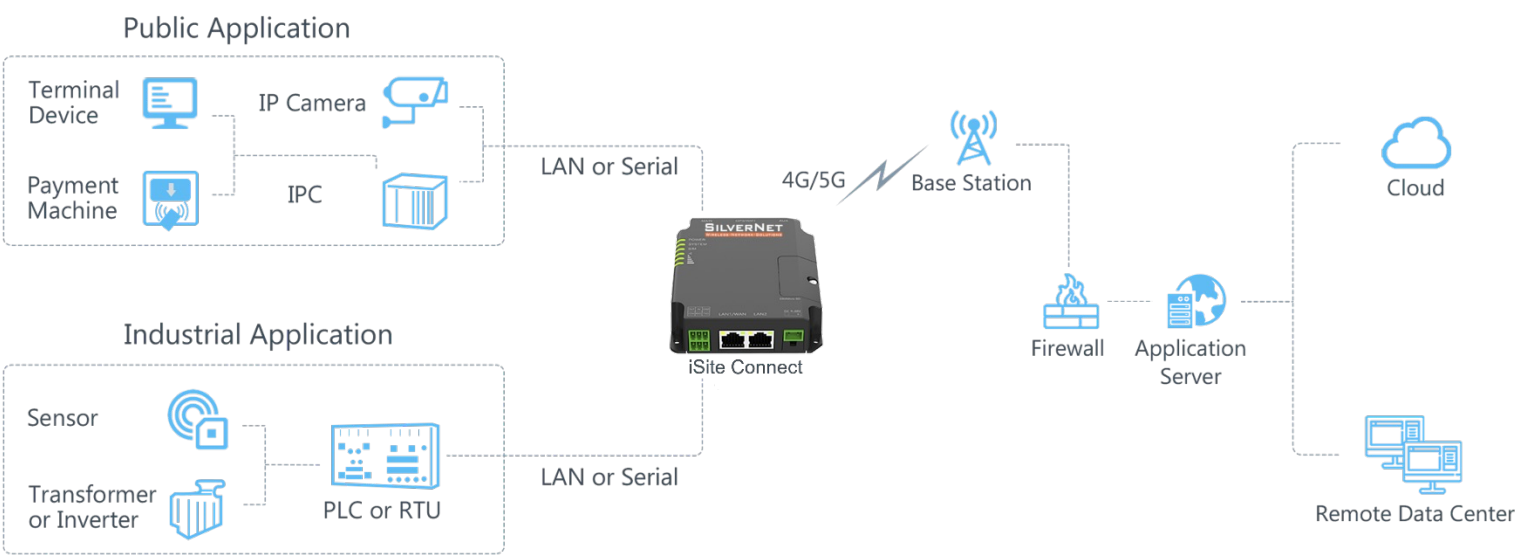
Technical Specifications

Part No.	iSite Lite	iSite Connect
Hardware		
CPU	ARM Cortex-A7, 528MHz	ARM Cortex-A7, 528MHz
Memory	128MB DDR3 RAM and 128MB Flash	128MB DDR3 RAM and 128MB Flash
Cellular Interface		
Antenna Connector	1 × 50 Ω SMA Connectors (Centre PIN: SMA Female)	2 × 50 Ω SMA Connectors (Centre PIN: SMA Female)
SIM Slot	1 (Mini SIM-2FF)	2 (Mini SIM-2FF)
Ethernet Interface		
Speed	2x 10/100Mbps	2x 10/100Mbps
Ports	1 x WAN + 1 x LAN or 2 x LAN	1 x WAN + 1 x LAN or 2 x LAN
Mode	Full or half duplex (Auto-Sensing)	Full or half duplex (Auto-Sensing)
PoE	N/A	1 x 802.3 af/at PoE PSE on LAN Ports
Other Interface		
Serial	N/A	1 x RS232 or RS485 3.5mm Terminal Block 300bps to 230400bps
DI/DO	N/A	1 x DI (Dry Contact) + 1 x DO (Wet Contact), Galvanic Isolation 3.5mm Terminal Block 0.3A@30VDC (DO)
Reset Button	1 x Reset Button	1 x Reset Button
LED Indicators	1 x Power, 1 x System, 1 x SIM, 3 x Signal Strength	1 x Power, 1 x System, 1 x SIM, 3 x Signal Strength
Built-In	Watchdog, Timer	Watchdog, Timer
Software		
Network Protocols	IPv4/IPv6, PPP, PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, RIPv1/v2, OSPF, DDNS, VRRP, HTTP, HTTPS, DNS, ARP, QOS, SNTP, Telnet, VLAN, SSH, etc.	IPv4/IPv6, PPP, PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, RIPv1/v2, OSPF, DDNS, VRRP, HTTP, HTTPS, DNS, ARP, QOS, SNTP, Telnet, VLAN, SSH, etc.
VPN	DMVPN, IPsec, OpenVPN, PPTP, L2TP, GRE (iSite VPN)	DMVPN, IPsec, OpenVPN, PPTP, L2TP, GRE (iSite VPN)
Security	Access Control, DMZ, Port Mapping, MAC Binding, SPI Firewalls, DoS & DDoS Protection, Filtering (IP & Domain), IP Passthrough	Access Control, DMZ, Port Mapping, MAC Binding, SPI Firewalls, DoS & DDoS Protection, Filtering (IP & Domain), IP Passthrough
Management	Web, CLI, SMS, On-demand dial up, SNMP v1/v2/v3 (iSite Hub)	Web, CLI, SMS, On-demand dial up, SNMP v1/v2/v3 (iSite Hub)
AAA	Radius, Tacacs+, LDAP, Local Authentication	Radius, Tacacs+, LDAP, Local Authentication
Multilevel Authority	Multiple Levels of User Authority	Multiple Levels of User Authority
Reliability	VRRP, WAN Failover	VRRP, WAN Failover, Dual SIM Backup
Serial Port	N/A	Transparent (TCP Client/Server, UDP), Modbus Master/Slave, Modbus Gateway (Modbus RTU to Modbus TCP)
Power Supply & Consumption		
Power Connector	2-Pin 5.08mm Terminal Block	2-Pin 5.08mm Terminal Block
Input Voltage	9-48VDC with Surge-Protection and Reverse Polarity Protection	9-48VDC with Surge-Protection and Reverse Polarity Protection
Power Consumption	Typical 1.8W, Max 2.2W	Typical 1.9W, Max 2.4W (in Non-PoE mode)
Environmental		
Operating Temperature	-40°C to +70°C (-40°F to +158°F) Reduced Cellular Performance Above 60°C	-40°C to +70°C (-40°F to +158°F) Reduced Cellular Performance Above 60°C
Storage Temperature	-40°C to +85°C (-40°F to +185°F)	-40°C to +85°C (-40°F to +185°F)
Ethernet Isolation	1.5 kV RMS	1.5 kV RMS
Relative Humidity	0% to 95% (non-condensing) at 25°C (77°F)	0% to 95% (non-condensing) at 25°C (77°F)

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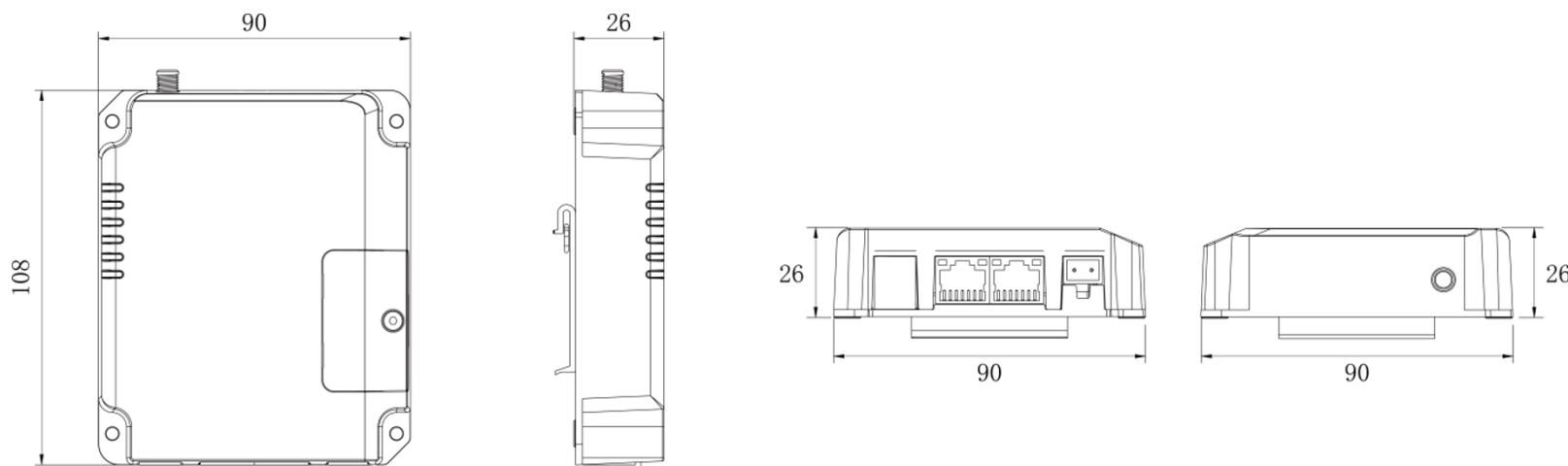
Part No.	iSite Lite	iSite Connect
Standards		
Regulatory	CE, FCC, RCM	CE, FCC, RCM, NBTC, SPDDI
Carrier	N/A	PTCRB, AT&T
Environmental	RoHS	RoHS
EMC	EN 55032, EN 55035	EN 55032, EN 55035
EMS	IEC 61000-4-2 Level 3 IEC 61000-4-3 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-5 Level 2 IEC 61000-4-6 Level 3 IEC 61000-4-8 Level 1 IEC 61000-4-11 Level 3	IEC 61000-4-2 Level 3 IEC 61000-4-3 Level 2 IEC 61000-4-4 Level 2 IEC 61000-4-5 Level 2 IEC 61000-4-6 Level 3 IEC 61000-4-8 Level 1 IEC 61000-4-11 Level 3
Radio Frequency	EN 301 489-1/17/19/52, EN 301 511, EN 301 908-1/2/13, EN 303 413	EN 301 489-1/17/19/52, EN 301 511, EN 301 908-1/2/13, EN 303 413, EN300 328
Safety	EN62368-1	EN62368-1

Typical Applications



Dimensions

iSite Lite



iSite Connect

