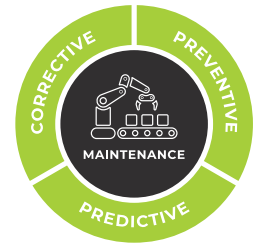


SITEMANAGER 11xx/33xx SERIES



Secure Remote Access and Data Collection in One Device

SiteManager is a security certified IIoT Edge Gateway in the Secomea Industrial Communications Solution programme that ensures unified, uninterrupted and secure access to remote industrial equipment.

The SiteManager 11xx/33xx series is a robust, DIN mountable industrial gateway that you install in machine control panels to provide remote access for on-demand, real-time servicing of industrial equipment.

As an additional feature, the SiteManager is capable of data collection, which allows service engineers to perform detailed cloud analysis for predictive and preventive maintenance of connected equipment.

Easy to Set Up – Intuitive to Use

- Built-in setup assistant
- Single click configuration
- DHCP-enabled
- Alert capabilities between devices and servers
- Security certified and built-in firewall
- Unique built-In troubleshooting functionality
- Intuitive user experience

Architecture & Key Features

Connect multiple devices simultaneously

Connect up to 25 devices of all types of industrial equipment via Ethernet, Serial or USB ports, using the equipment's native protocols (e.g. Modbus, PROFINET, EtherCAT; EtherNet/IP etc.).

Easy & firewall friendly Internet access

Establishes access to the Internet through the firewall of the existing wired network infrastructure, and wirelessly by cellular modem, or via WiFi.



Drag & drop SCADA tunnelling setup

LogTunnel support provides static tunnel connections to a central SCADA system, which operates concurrently with other services, such as on-demand access and data collection module.

Data Collection Module

Collects data from field devices via e.g. Modbus OPC UA or S7, and pushes relevant data to popular clouds such as Azure, AWS, EcoStruxure Machine Advisor, Secomea DCC etc.



Technical Specifications

Electrical Properties

- 536 Mhz ARM Cortex A5 CPU
- Input 12 – 24 V/DC, via screw terminals
- Network Interfaces: 1 x 10/100 Mbit Ethernet (1 x UPLINK, 1 x DEV.) – RJ45 connection
- 1 x USB 2.0 full speed (Host)
- 1 x RS232 DB9 Serial port with full flow control
- Power consumption: max 5W excl. any optional USB devices (Calculate with a total of 8W incl. USB devices)
- 2 x digital input ports
- 1 x output relay (max 0.5A), 1 x digital output open drain (max 0.2A)
- 1139/3339 models only: Integrated broadband modem with external standard polarity female SMA connector and Mini-SIM push-pull slot
- 1149/3349 models only: Integrated WiFi module with 2,4 GHz (802.11 b/g/n) support and external female RP-SMA connector

Regulations

- CE, RCM Compliant
- FCC 47 cfr part 15, CAN ICES-3 (A)/NMB-3(A)
- UL/cUL Listed (file #E358541, ITE 4ZP8), IEC CB certified (DK-30193-A2-UL)
- Japan Giteki

3G modem specs (1139/3339 3G models only)

- Quad-Band HSPA+ Frequenzen: WCDMA/UMTS: 850/900/1900/2100 MHz
- EDGE/GPRS: 850/900/1800/1900 MHz

LTE Modem specs (1139/3339 4G models only)

4G EU (EMEA) modem specs:

- LTE Bands: B1 (2100), B3 (1800), B7 (2600), B8 (900), B20 (800DD), B38 (TDD 2600), B40 (TDD 2300)
- WCDMA/UMTS Bands: B1 (2100), B8 (900)
- GPRS/EDGE: B10 (900), B13 (1800)
- Certifications: CE, GCF (in planning)

4G US (USA) modem specs

- LTE Bands: B2 (1900), B4 (1700/AWS), B5 (850), B17 (700)
- WCDMA/UMTS bands: B2 (1900), B5 (850)
- Certifications: FCC, PTCRB, IC, AT&T, Rogers *

4G CN (China) modem specs

- LTE Bands: B1 (FDD 2100), B3 (FDD 1800), B7 (FDD 2600), B38 (TDD 2600), B39 (TDD 1900), B40 (TDD 2300), B41 (TDD 2500)

- WCDMA/UMTS bands: B1 (2100), B8 (900)
 - TD-SCDMA: B34 (2010–2025), B39 (1800–1920)
 - GPRS/EDGE: B10 (900), B13 (1800)
 - Certifications: CCC, TA, CTA, NCC *
- 4G JP (Japan) modem specs

- LTE bands: B1(2100)/B3(1800+)/B8(900)/B18(-JP#4)/B19(JP#5)/B41 (TDD 2500)
- WCDMA/UMTS Bands: B1(2100)/B6(850 JP#1)/B8(900)
- GPRS/EDGE: B3(1800)/B8(900)
- Certifications: Telec, Jate
- Carriers: NTT Docomo, AU

Physical Properties

- Operating temperature: -25 to +55 °C (-13 to 131 °F) 5 to 95% RH
- Dimensions, unpacked:
 - Height: 107 mm (4 1/5 inches)
 - Width: 32 mm (1 1/4 inches)
 - Depth: 97 mm (3 4/5 inches)
- Weight: 500 grams (17.63 ounces)
- Metal case, IP20, DIN mountable
- Operating altitude up to 2000m
- Storage altitude up to 3000m
- 2-year warranty

Networking Capabilities

- Choice of Uplink (WAN) Internet access:
 - Ethernet,
 - 1149/3349 models only: Integrated WiFi in Client mode
 - WiFi Client or AP mode via USB adapter (not included)
 - 1139/3339 models only: Integrated Cellular modem
 - Cellular via USB modem (not included)
- Choice of Uplink IP-assignment mode: DHCP client, PPPoE client, manual/static
- Telnet to Serial routing (rfc2217). Siemens MPI/PPI is supported via an adapter
- DHCP server on Device LAN by Ethernet or as access point via WiFi
- USB port for remote accessing USB-enabled devices (directly or via USB hub)
- Support for remote access by any UDP/TCP based protocol including Layer 2
- Secomea LogTunnel support for easy setup of remote SCADA logging infrastructure

Monitoring and Logging Features

- System log with System Watchdog
- Automatic event logging on GateManager™
- Alert notifications generated by SiteManager or GateManager and sent as email or SMS locally or

centralised from the GateManager

- 1139/3339 models only: Bi-directional SMS Gateway support via Serial AT commands and UDP/TCP script commands
- Advanced trouble-shooting functionality for automatic discovery of networking conflicts and configuration issues

Configuration and Management

- Appliance Launcher for easy initial contact and connection to GateManager™
- Configuration and maintenance of SiteManager™ via browser (HTTPS/SSL – local or remote from GateManager™)
- Includes a Setup Assistant Wizard for guided configuration via the Web GUI
- Easy configuration with pre-defined configuration using a USB stick
- Configuration backup management (via GateManager™), including scheduled backup and fast hardware replacement (cold backup)
- Configuration export and import (XML)
- Pre-defined Device Agents for easy setup of access to all PCs, web devices and all common PLCs and HMIs.
- Unique device scanning feature for automatic detection of IP and USB devices and configuration with a single click

LED Signalling and I/Os

- 4 LEDs for signalling Power, Status, Wireless uplink status and LinkManager connection
- Digital input port for site operator control of remote access
- Digital or Relay output for signalling active LinkManager connections, and GateManager connection status
- Configurable digital input port for custom Email/SMS alert triggering
- Output port for custom toggling from the SiteManager GUI

Integrated Data Collection Module DCM

Collector protocols (Ethernet):

- Modbus, OPC UA, Siemens S7, http get (json, xml etc.), Simulator

Data Server (Cloud) protocols:

- AWS, Azure, Schneider Machine Advisor, Cumulocity

Edge computing capabilities:

- Aggregations (avg, max/min, compute etc.),
- Event triggered alarms

Store and forward capacity:

- 80MB internal Flash

Integrated Cellular modem	Integrated WiFi	SiteManager Model	No. of Device Agents
No	No	1129 / 3329	5 / 25
Yes	No	1139/3339 (3G)	5 / 25
Yes	No	1139 / 3339 4G EU	5 / 25
Yes	No	1139 / 3339 4G US	5 / 25
Yes	No	1139 / 3339 4G CN	5 / 25
Yes	No	1139 / 3339 4G JP	5 / 25
No	Yes	1149 / 3349	5 / 25

*Note: Certifications apply to the embedded modem, and may not apply when combined with SiteManager.