

Secure High-Availability Remote Access to Industrial Devices



- The SiteManager™ itself and its monitored devices are all centrally managed and accessible from the GateManager server.
- Built-in serial, USB and Ethernet access agents for most PLC, HMI and Servo vendors in the market, as well as agent templates for video, voice, PC and Scada systems (including support for Siemens PPI and MPI)
- Firewall friendly communication,- uses standard web protocols, and only inside-out.
- No requirement for public or fixed IP address. SiteManager is by default DHCP enabled. No need to re-configure the PLC with gateway address etc.
- Can operate as carrier of alarms, email alerts etc. between devices and central logging servers over the Internet.
- Built-in firewall, AES and x.509 certificates for maximum security
- All configuration, firmware and feature upgrades are done remotely through an intuitive web GUI
- User-configurable email alerts for status monitoring and configurable I/O ports for custom alarms.
- Built-in SMS modem support on the Serial port and SMS Gateway support on the Ethernet port (typically used by Siemens and CoDeSys ready products)
- Integrated 4G broadband modem for alternative wireless Internet access or failover.
- Optional Internet access via the optional WiFi module installed in the USB port
- Includes the unique Secomea EasyTunnel Client feature for allowing easy enrollment in a VPN network.
- Security certified in accordance with leading standards methodologies specified by NIST, ISA/IEC, BSI and ISECOM.

SiteManager™ is an off-the-shelf component in the Secomea Industrial Communications Solution program that in combination with Secomea's GateManager™ and LinkManager™ ensures unified, uninterrupted and secure access to remote devices.

SiteManager™ is security certified according to the highest industry standards of the industry, performed by the independent security organisation ProtectEM GmbH in Germany in close cooperation with the Deggendorf Institute of Technology.

The SiteManager™ 1139 4G and 3339 4G are robust DIN mountable appliances that installs in the machine control panel, and provides remote access for on-demand servicing and programming of equipment, concurrently with static connections for monitoring and logging.

The SiteManager™ 1139 4G and 3339 4G provide remote access to all types of industrial equipment via Ethernet,- Serial- or USB, using the equipment's native protocols (e.g. Modbus, PROFINET, EtherCAT; EtherNet/IP etc.)

The SiteManager™ 1139 4G and 3339 4G establish access to the Internet through the firewall of the existing wired network infrastructure, or wirelessly by the integrated 4G(LTE)/3G/GPRS modem. Additionally the SiteManager features static VPN powered by the unique Secomea EasyTunnel™ concept.



Technical Specifications

4G EU (EMEA) modem specs

- LTE: Bands: B1 (2100), B3 (1800), B7 (2600), B8 (900), B20 (800DD)
- WCDMA/UMTS: 850/900/1900/2100
- GPRS/EDGE: 850/900/1800/1900
- Certifications: CE, GCF, NCC (Taiwan)

4G US (USA) modem specs

- LTE: Band: B2 (1900), B4 (1700/AWS), B5 (850), B13 (700), B17 (700), B25 (1900 G Block)
- WCDMA/UMTS: 850/900/AWS/1900/2100
- CDMA/EVDO Release B and Release A: BC0 (Cellular 800), BC1 (PCS 1900), BC10 (1700)
- GPRS/EDGE: 850/900/1800/1900
- Certifications: PTCRB, NCC (Taiwan), FCC

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: 850/1900/2100
- TD-SCDMA: B34 (2010-2025), B39 (1800-1920)
- GPRS/EDGE: 850/900/1800/1900

Electrical Characteristics

- 536 Mhz ARM Cortex A5 CPU
- Input I2 - 24 V/DC, via screw terminals.
- Network Interfaces: 2 x 10/100 Mbit Ethernet (UPLINK, DEVI.) - RJ45 connection
- 2 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 device.s (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)
- Integrated broadband modem:
 - LTE Downlink: 50Mbps (10MHz bandwidth)
 - LTE uplink: 25Mbps (10MHz bandwidth)
- 4G/3G/GPRS standard polarity female SMA connector.

Regulations

- CE (EN 61000-6-2, EN 61000-6-4, EN 301 489-1, EN 301 489-3)
- FCC 47 cfr part 15
- UL Listed (file #E358541, ITE 4ZP8)

Physical Characteristics

- Operating temperature: -25° - +45C°, 5 to 95% RH
- Dimensions, unpacked: 107(H) x 32(W) x 97(D) mm, 500 g
- DIN mount bracket.
- Aluminium Chassis
- 2-years Warranty

Networking Capabilities

- Choice of Uplink (WAN) Internet access:
 - Ethernet,
 - WiFi USB Option (IEEE 802.11 b/g/n)
 - 3G/GPRS
- 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
- USB port for remote accessing USB enabled devices (directly or via USB hub)
- EasyTunnel™ support for enabling VPN via Secomea TrustGate
- Support for remote access by any UDP/TCP based protocol

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 centralized from the GateManager
- Bi-directional SMS Gateway support via Serial AT commands and UDP/TCP script commands

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.

LED Signaling and I/Os

- 4 LEDs for signalling Power, Status, 3G/GPRS 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

Partnumbers	Model / Description
SE.1139.4GE	SiteManager 1139 4G EU, including 5 Device Agents
SE.1139.4GU	SiteManager 1139 4G US, including 5 Device Agents
SE.1139.4GC	SiteManager 1139 4G CN, including 5 Device Agents
SE.3339.4GE	SiteManager 3339 4G EU, including 25 Device Agents
SE.3339.4GU	SiteManager 3339 4G US, including 25 Device Agents
SE.3339.4GC	SiteManager 3339 4G CN, including 25 Device Agents