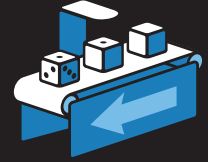


Secure High-Availability Remote Access to Industrial Devices



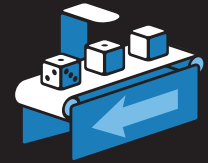
The SiteManager™ is an off-the-shelf component in the Secomea Industrial Communications Solution program that in combination with Secomea's GateManager™ and LinkManager™ ensures unified, uninterrupted and secure access to remote devices.

The SiteManager™ 1439/3439 is a robust DIN mountable appliance that installs in the machine control panel, and provides remote access to all the industrial equipment in the panel via Ethernet,- Serial- or USB connection.

The SiteManager™ 1439/3439 establishes access to the Internet through the firewall of the existing wired network infrastructure, or wireless by the built-in 3G/GPRS modem. And for the isolated device network it features a 4 port switch, which alternatively can be configured as 4 separate device networks.

The SiteManager™ 1439/3439 allows on-demand connection to any Ethernet device while overcoming any potential routing or IP conflict issues. Additionally the SiteManager features static VPN powered by the unique Secomea EasyTunnel™ concept.

- 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 SMS modem support on the Serial port and SMS Gateway support on the Ethernet port (typically used by Siemens and CoDeSys ready products)
- 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 3G/GPRS for alternative Internet access or fail-over.
- Built-in 4 port switch, which can be configured as 4 different device LANs.
- Includes the unique Secomea EasyTunnel Client feature for allowing easy enrollment in a VPN network.



Unique Specifications



EasyStart (Appliance Launcher) Enabled

The EasyStart Appliance Launcher is Secomea's setup wizard program which makes it easy to make initial contact to and configuration of Secomea SiteManager appliances. The EasyStart Appliance Launcher is delivered free of charge.

GateManager™ Enabled

GateManager™ enabled for easy, centralized configuration, backup, monitoring and access for remote service and maintenance of Secomea SiteManager and industrial devices. The GateManager is available both as a hosted service and as a stand-alone software package.

LinkManager™ Enabled

The LinkManager is a one-step installation Windows application that runs on the support engineer PC. Working with GateManager™ it provides secure on-demand access to remote devices through the SiteManagers. Once connected, it makes the remote device appear to the field engineer as if the Windows PC was connected directly to the device. So with LinkManager, any remote device is just a few mouse clicks away.

State-of-the-Art Security

The SiteManager solutions are using state-of-the-art security standards. This includes a built-in stateful Inspection Firewall, authentications using x.509 digital certificate and encryption using the strong AES standard with up to 256-bit.

Firewall Friendly

The end-user network security is priority number 1. With the SiteManager and the security standard that this includes, it is important that end-user do not need to compromise their own corporate security standards. Therefore all communication is encrypted, even when using port 80 from the inside and out.

Local Management and logging

The SiteManager has a local web-server, which enables any remote access and access rights to be controlled locally. On top of this, all traffic through the SiteManager is logged, stored and available in the SiteManager itself.

PLC / HMI / Servo Ready

Avoid all the hassle with equipment requiring different ports. All traffic is encapsulated in e.g. port 80. With the SiteManager's preconfigured built-in agents for all major PLC / HMI / Servo manufacturers, it is as easy as it sounds.

Remote PC Ready

The SiteManager has built-in preconfigured agents for remote PC using VNC and RDP. In addition to this, it is possible to customize an agent for other requirements.

VoIP and Video Ready

The Remote Device Management solution supports VoIP and Video. Designed agents are available in the SiteManagers as an easy option for adding new services and possibilities to remote service and support.

4 port configurable switch

The SiteManager 1439/3439 features a 4 port switch for the device LAN, which can optionally be configured to represent up to 4 isolated LANs. This ensures that different types of equipment that are not allowed to communicate, will be completely isolated from each other.

3G/GRPS Option with Wake-on-SMS

The SiteManager 1439/3439 features an built-in 3G/GPRS modem for connecting to the Internet. This feature is useful in cases where no wired infrastructure exists for connecting to the Internet. In addition the SiteManager supports a Wake-on-SMS that prevent consuming data traffic charges when in idle mode.

Fail-over / Fail-back

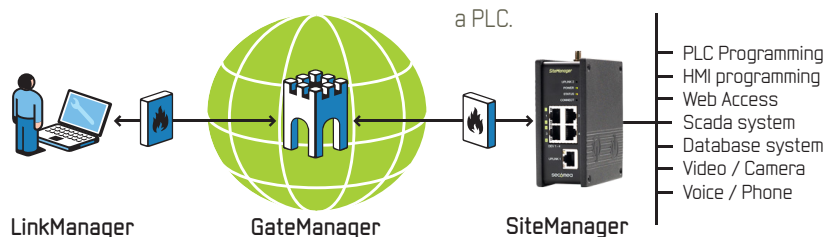
By connecting the wired Uplink and the 3G/GPRS Uplink, the SiteManager can perform fail-over and thereby ensure maximum uptime. By prioritizing the wired uplink, the SiteManager will automatically fail-back to the wired connection, thus reducing consumption of 3G/GPRS data charges.

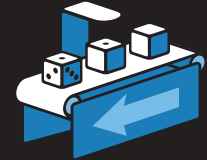
EasyTunnel™ VPN support

The SiteManager supports the unique Secomea EasyTunnel VPN concept. Enabling the included EasyTunnel Client in the SiteManager, will allow enrollment in a VPN network controlled by a TrustGate concentrator. EasyTunnel works like ordinary IPsec VPN, but without the need for juggling certificates or keys. Simply enter the serial number of the SiteManager, and it is instantly enrolled in the VPN network.

SMS Gateway - on Serial and Ethernet ports

The SiteManager's serial port operates as a true SMS modem via the AT command set, and supports both outgoing SMSes generated e.g. by a PLC, as well as incoming SMS queuing that a PLC can scan for. Additionally the Ethernet port supports the SMS syntax typically used in Siemens and CoDeSys code blocks for sending SMS messages from a PLC.





Technical Specifications



Electrical Characteristics

- 300 Mhz ARM9 CPU
- Input 12 - 48 V/DC, via screw terminals.
- Network Interfaces: 5 x 10/100 Mbit Ethernet (UPLINK, DEVI, DEV2, DEV3, DEV4) - RJ45 connection with patch/cross-over cable auto-detection.
- 1 x USB 2.0 full speed (Host)
- 1 x RS232 DB9 Serial port with full flow control
- Power consumption: 5W (dimension power supply to 8W peak)
- 2x2 Digital I/O ports via screw terminals
- Integrated broadband modem supporting the frequencies:
WCDMA 850/1900/2100 MHz
EDGE/GPRS 850/900/1800/1900 MHz
- 3G/GPRS standard polarity female SMA connector.
- Standard size SIM slot (available from outside)

Regulations

- FCC Class A, CE
- EN55022 Class A
- EN55024
- EN61000-3-2, 3
- EN61000-4-2, 3, 4, 5, 6, 8, 11
- IEC 60950
- C-Tick N29451
- A-tick NI246 (Integrated Sierra Wireless modem)
- UL Listed (file #E358541)

Secomea A/S
Denmark
E-mail: info@secomea.com
www.secomea.com

SiteManager

Physical Characteristics

- Operating temperature: -25° - +45°C, 5 to 95% RH
- Dimensions, unpacked: 107(H) x 42(W) x 97(D) mm, 550 g
- DIN mount bracket.
- Aluminium Chassis
- 2-years Warranty

Networking Capabilities

- 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
- Built-in 3G/GPRS for use as Uplink.
- USB port for managing USB enabled PLCs
- EasyTunnel™ support for enabling VPN via Secomea TrustGate

Monitoring and Logging Features

- System log with System Watchdog
- Central log via GateManager™
- GateManager™ Alerts (to e-mail, SMS; management system) and Alert Log for SiteManager™ and Agents

Configuration and Management

- EasyStart (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
- 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 Output for signalling active Link-Manager connections
- 1 configurable digital input port for custom Email/SMS alert triggering
- 1 digital output port for toggling from the SiteManager GUI

Partnumbers	Description
26945	SiteManager 1439 including 2 Device Agents
26928	SiteManager 3439 including 5 Device Agents
26903	Upgrade to 5 agents for model 1439
26873	Upgrade to 10 agents for model 3439
26874	Upgrade to 25 agents for model 3439
26875	Upgrade to 50 agents for model 3439
26876	upgrade to 100 agents for model 3439
26878	GateManager settings preconfigured
26940	MPI/PPI adapter (Ethernet)

secomea