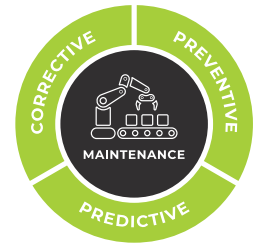# SITEMANAGER EMBEDDED

Secure Remote Access for any platform

Secomea SiteManager Embedded is a software gateway installed on a PC, server, IPC or HMI panel and enabling it to operate as secure access gateway. It runs seamlessly with the operating system and other applications in the background as a service, requiring very little in the way of system resources.

Regardless of operating system, SiteManager Embedded is activated by the same license. There are two license types to choose from: BASIC, that allows cost-effective access to the platform it is installed on, or EXTENDED that turns the platform into a full-feature remote access gateway.

Multiple OS and CPU support

- Windows 32/64 bit x86
- Windows Embedded x86
- Windows Compact (CE7) x86*
- Windows Compact (CE7) ARM*
- Linux x86 (various distros)
- Linux ARM Raspberry Pi
- Linux ARM (various distros) *
- VxWorks ARM*

* May be subject to custom integration.

Key features

Connect multiple devices simultaneously
Connect up to 10 devices of all types of industrial equipment via UDP/TCP, using the equipment's native protocols (e.g. Modbus, PROFINET, EtherCAT; EtherNet/IP etc.).

Flexible license activation
Install, configure and connect to a GateManager M2M server at no cost. Activation license can be applied remotely from the GateManager with a single click only when needed.

Uses the platform's connectivity options
Transparently utilizes the platform's Internet access method, such as Ethernet, 4G, WiFi etc., controlled by the platform's own firewall and other security measures

Drag & drop SCADA tunneling 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.

Intelligent data collection module
Apart from Remote Access, the Linux version can collect data from field devices via e.g. Modbus OPC UA, CIP or S7, and push relevant data to popular clouds such as Azure, AWS, EcoStruxure Machine Advisor, Secomea DCC etc.

Integrated Web UI and full API
All features of the integrated Web GUI can be managed via a JSON API, allowing the native UIs or applications to fully configure, control and monitors status from the SiteManager Embedded application

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Specifications

Monitoring and logging features

- Automatic event logging on GateManager

- Alert notifications generated by SiteManager or GateManager and sent as email or SMS centralized from the GateManager

- Local JSON API for integration into other applications on the platform.

Configuration and management

- Configuration backup management (via GateManager™), including scheduled backup and fast replacement (cold backup)

- Configuration via local Web GUI, via JSON API, or file on the platform (Windows Registry or Linux text based config file)

- Pre-defined device agents for easy setup of access to all PCs, web devices and all common PLCs and HMIs.

Integrated Data Collection Module, DCM

(Available as Linux x86 and Raspberry Pi versions)

Collector protocols (Ethernet):
- Modbus, OPC UA, Siemens S7, Rockwell CIP/Ethernet/IP, http get (json, xml etc.), Simulator

Data server (Cloud) protocols:

- AWS, Azure, Schneider Machine Advisor, Cumulocity, Alibaba/Aliyun

Edge computing capabilities:

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

- Event-triggered alarms

Store and forward capacity:

- Uses the platform's available flash/disk storage

Static LogTunnel connections

- The LogTunnel Client option allows push or pull of data from devices to a central server, such as SCADA or logging system.

- The LogTunnel Master option allows a single SiteManager Embedded installed on a central server (e.g. SCADA), to receive data (push) concurrently from multiple devices over UDP/TCP via LogTunnel clients on remote SiteManager Embedded or Hardware models simultaneously.

- On Linux, the LogTunnel Master can be configured on a central server (e.g. SCADA) to allow central applications to connect simultaneously with TCP to multiple remote devices via LogTunnel Clients on SiteManager Embedded or Hardware models.

Custom integration SDK

- The standard available versions can be installed on multiple platforms. The Raspberry Pi version can be used for other ARM-based platforms as is.

- Custom build for specific target platforms can be based on special agreements. This will typically require Secomea engineering receiving a tool chain for the platform and the target device
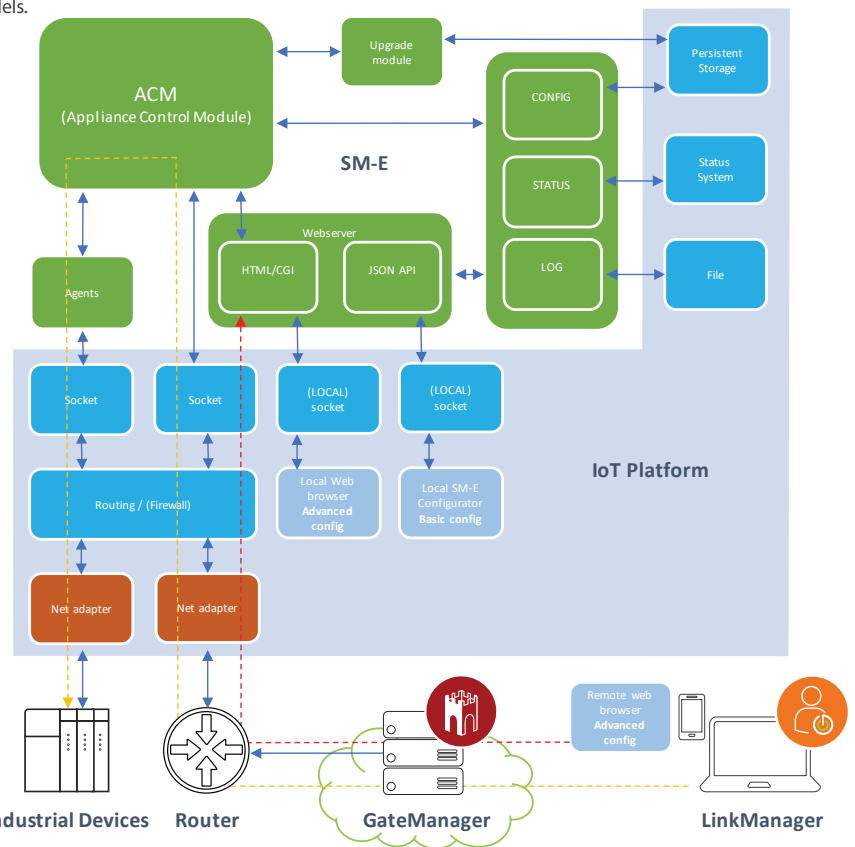
SiteManager Model Comparison	Secome Hardware SiteManagers	SiteManager Embedded with BASIC license	SiteManager Embedded with EXTENDED license
Remote access to IP devices (UDP/TCP)	Yes	Yes	Yes
Remote access to USB/Serial/Layer2 devices	Yes	No	No
Tunneling access to ENTIRE remote network	Yes	Yes	yes
Number of individual device agents	Up to 100	2	Up to 10
Access Gateway for other IP devices	Yes	No	Yes
Data Collection Module (DCM)	Yes	No	Yes *
Configurable forwarding/routing rules	Yes	No	No
Autodetection of Ethernet and USB devices	Yes	No	No
LogTunnel Client support	Yes	Yes	Yes
LogTunnel Master Push support	Yes	No	Yes
LogTunnel Master Pull support	Yes	No	Yes *

* Available for Linux Only

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