

Secure Remote Access

Remote Access Solution with Routed Capabilities

The Secure Remote Access Solution offers instant access for maintenance or troubleshooting and enables a secure way for many devices to connect together and communicate.

-  **Simple configuration** settings allow those with limited technical knowledge to network devices as part of the Industrial Internet of Things
-  Supports both **transparent** (GECKO 4TX switch) or **routed** (OWL cellular router) connections for **maximum flexibility**
-  **Connect to 3G or 4G cellular networks** for installations **without existing wired networks** to provide a cost-effective solution to a common logistical issue

Key Features

- Secure remote access, diagnostics and PLC programming via a flexible hardware / software solution
- Connect via a secure cloud hosted by Hirschmann or hosted by your company
- Use your standard PLC and HMI tools, just as if you were onsite
- Provide instant support to ensure machine uptime
- Operate machines without physical access even those on 4G/LTE cellular connections
- Service global customers without the expense of travel
- No IT knowledge required to set up the system
- Permanent IP addresses are not required
- Firewall friendly – no need to reconfigure company firewalls
- Avoids the complexity of virtual private networks (VPNs)



Secure Remote Access provides a high-performance solution for both routed and transparent applications with shorter response times and ease-of-use.

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Belden.



Your Benefits

Support Point-to-Point Communication Regardless of Network

The Secure Remote Access Solution provides a protected cloud system that can be configured with minimal IT knowledge or assistance. Permanent internet protocol (IP) addresses are not required, and there is no need to reconfigure corporate firewalls. Thus, the system enables secure access for remote programming and diagnostics with no disruptions to existing systems.

With this system, you can remotely access networks to troubleshoot and fix problems. This reduces the need for travel and allows staff to work more efficiently by handling multiple systems simultaneously.

The Secure Remote Access Solution supports Ethernet communication through a three-component system, including:

- **GateManager** – operates as a cloud service; hosted by Hirschmann or hosted by your company
- **SiteManager** – makes it possible to connect remote devices to the GateManager cloud; runs on a Windows PC or Hirschmann GECKO switch or OWL cellular router (including an IP40 option with M12 Connectors)
- **LinkManager** – provides secure, on-demand access to remote devices via the cloud

Applications

The Secure Remote Access Solution's simple set-up, ease of use and secure technology make it ideal for the machine building industry, which often needs remote access to plants and machinery around the world. Support for OWL LTE and OWL M12 allows you to expand remote access to industrial sites regardless of the presence of an existing network.

- Transparent and routed modes for expanded on-demand application across industries
- Deployable in harsh environments using the industrial-grade OWL M12
- Can be used in transportation applications for rail diagnostics and even on ships for remote diagnostics while docked with 3G/4G/LTE signal

Markets

Ideal for use for all settings with industrial networks in need of both monitoring and ad-hoc secure remote access. This includes the power and utility, transportation and factory automation industries. Further application areas include cellular-dependent industries, such as renewable energy, machine building and water/wastewater.

At the core of the Secure Remote Access Solution is a cloud service to which customers can connect their remote network devices, including the ability to manage the network from personal computers (PCs) or mobile devices.



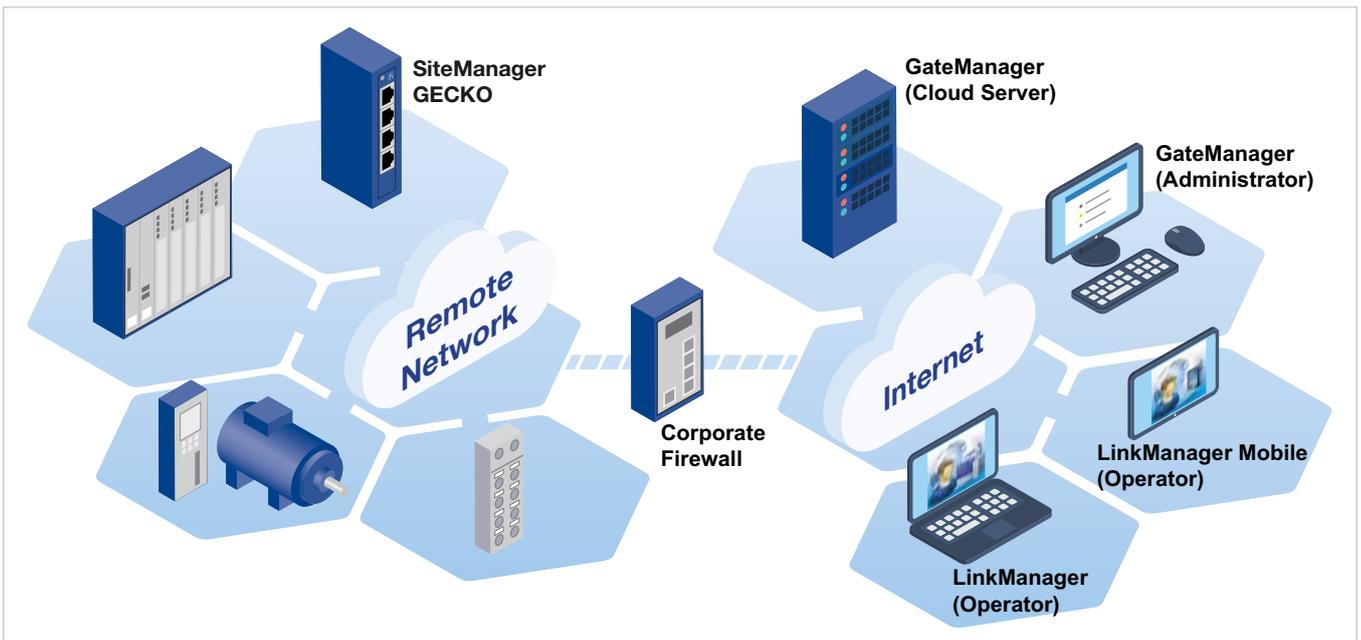
Technical Information

SiteManager supports Windows Standard and Server 32/64 bit x86. This makes it ideal for installing on Windows based HMI panels and IPCs. It installs as a Windows Service and runs in the background. It requires only 10 Mbyte RAM and 5 Mbyte HDD. Alternatively it can be run inside a Hirschmann GECKO switch or OWL router.

LinkManager installs a virtual adapter and thus requires running on Windows. But it works fine alongside VPN clients and is designed for both 32 and 64 bit windows, and even runs inside a virtual machine such as VMWare, ESXi or HyperV.

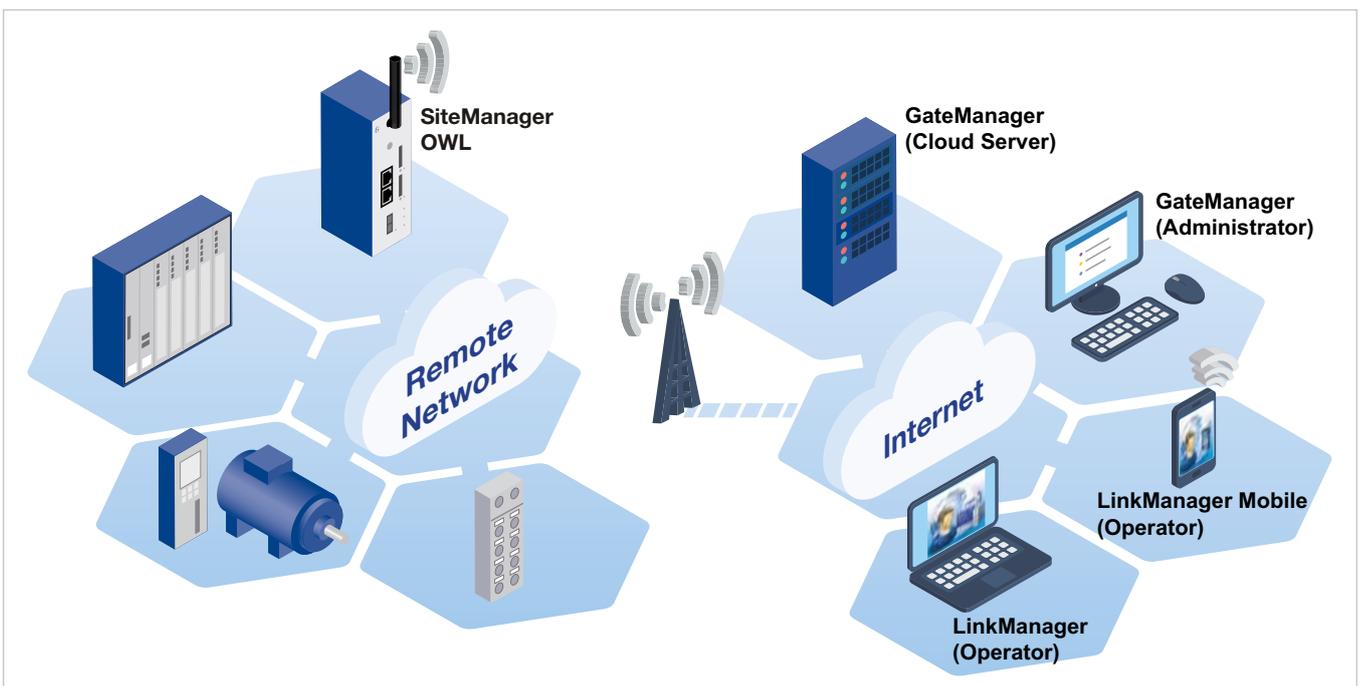
LinkManager Mobile supports iPhone, iPad and Android OS.

Hirschmann Secure Remote Access Solution with Site Manager GECKO



Hirschmann Secure Remote Access Solution with transparent Site Manager GECKO can be implemented with no changes to the existing IP address scheme.

Hirschmann Secure Remote Access Solution with Site Manager OWL



Hirschmann Secure Remote Access Solution with Site Manager OWL provides a routed solution over cabled and cellular networks.

Technical Information

GateManager

Product Description	Max. Number of LinkManager Licenses	Max. Number of LinkManager Mobile Licenses	Max. Number of SiteManagers
GateManager Free	2	8	100
GateManager Bronze	4	50	300
GateManager Silver	6	100	500
GateManager Gold	8	250	Unlimited
GateManager Platinum	Unlimited	Unlimited	Unlimited

SiteManager – LinkManager – GateManager – Starter Package

Product Description	Order No.
SiteManager Basic License	942 144 - 101
SiteManager 5 Nodes License	942 144 - 102
SiteManager 10 Nodes License	942 144 - 103
LinkManager License	942 144 - 201
LinkManager Mobile License	942 144 - 202
GateManager Bronze Quarterly Fee	942 144 - 301
GateManager Silver Quarterly Fee	942 144 - 302
GateManager Gold Quarterly Fee	942 144 - 303
GateManager Platinum Quarterly Fee	942 144 - 304
GateManager Administrator Premium Upgrade	942 144 - 601
GateManager Self-hosted Server	942 144 - 501
Starter Package 5 Nodes License	942 144 - 403
Starter Package 10 Nodes License	942 144 - 404

Always Stay Ahead with Belden

In a highly competitive environment, it is crucial to have reliable partners who add value to your business. When it comes to signal transmissions, Belden is the No. 1 solutions provider. We know your business and want to understand your specific challenges and goals to show how effective signal transmission solutions can push you ahead of the competition. By combining the strengths of our five leading brands, Belden, GarrettCom, Hirschmann, Lumberg Automation and Tofino Security, we are able to offer the integrated solution you need. Today, it may be a single cable, switch or connector, to solve a specific issue; tomorrow, it can be a complex range of integrated applications, systems and solutions. With the rise in smart, connected devices brought on by the Industrial Internet of Things (IIoT), together, we can make sure your infrastructure is ready to handle and make sense of the influx of data. Transform your business now with instant access to information, and make your vision a reality. Visit info.belden.com/iiot to learn more.

About Belden

Belden Inc., a global leader in high quality, end-to-end signal transmission solutions, delivers a comprehensive product portfolio designed to meet the mission-critical network infrastructure needs of industrial, enterprise and broadcast markets. With innovative solutions targeted at reliable and secure transmission of rapidly growing amounts of data, audio and video needed for today's applications, Belden is at the center of the global transformation to a connected world. Founded in 1902, the company is headquartered in St. Louis, USA, and has manufacturing capabilities in North and South America, Europe and Asia.

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