



Solution Brief



Remote Connectivity Solutions

Keeping Your Remote Equipment Secure

You want to keep your remote equipment secure – that’s paramount to us, too. Here are a few steps we’ve taken to ensure your equipment and data stay safe and secure when you’re using Belden Horizon™:

- The service uses your PC’s operating system VPN, minimizing the need for user-installed software and saving your team time – let us handle the updates on our end!
- Two-factor authentication that’s email- and token-based, which is more secure than SMS-based methods
- Uses HTTPS for all communications
- Tunnels dynamically created with one-time uniquely generated passwords
- Simple, secure one-time gateway activation for each new gateway
- Layer 2 Tunneling Protocol (L2TP)/IPSec and Secure Socket Tunneling Protocol (SSTP) support increases VPN security, and allows you to see your remote devices rather than try to remember them
- Third-party company regularly tests system vulnerability; any issues that are found are dealt with immediately

Learn more about security considerations for industrial remote access solutions in this [white paper](#).



Safety is Paramount

Belden Horizon adds a layer of safety that no one else does with Virtual Lockout-Tagout™ (vLOTO™). This first-of-its-kind capability allows dynamic authorizations for a specific period of time, and gives end users greater control in determining access.

This level of permission increases the safety of your connections. By virtually locking out remote access to a machine while maintenance or other essential tasks are underway, you can protect your equipment from unauthorized connections that could inadvertently cause harm.

With vLOTO:

- Authorized workers approve or deny requests to access an ICX35-HWC or PLX35-NB2 gateway
- Person granting access doesn’t need to be a Belden Horizon user
- Another authorizer can override a request by one authorizer
- Up to 3 people or groups control these authorizations to each machine
- Detailed audit trail notes who granted permission

vLOTO is included in all Power User Plans.

How Belden Horizon Works

Belden Horizon is intuitively designed to ensure a smooth process for users. Here's a look at the top ways the service helps you gain secure, reliable connections to your remote equipment:

- Make your PC act as if it were connected directly to a local switch on the remote network with EasyBridge™ technology. Your PLC vendor's software tools – such as Studio 5000, Unity, TIA Portal, and others – can be used without having to deal with routing.
- Browse your connected devices rather than try to remember a bunch of IP addresses.

Wondering how Belden Horizon is set up? (We don't blame you, it's pretty cool.) Check out our [white paper](#) on the benefits of a container and microservices cloud architecture.

Support and expertise for your projects

ProSoft provides a variety of resources and services for wireless applications from initial system design to site surveys to launch support and configuration support.

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