

DATA SHEET

REMOTELINK 15



Overview

RemoteLink 15 is a plug-and-play device that protects end devices and communications links. It establishes secure, end-to-end, and encrypted tunnels to other end devices, zones, or communications gateways as dictated by the BorderGuard. RemoteLink 15 protects communications conduits and securely segments your network into isolated and contained zones. It protects any type of endpoint, or network of endpoints, and transmits encrypted traffic to other secure endpoints.

RemoteLink 15 supports PLCs, Operator Stations, RTUs, SCADA communications, radio communications to remote work sites, VoIP phones, video conferencing systems, and any Ethernet computer with any operating system. RemoteLink 15 is incredibly easy to deploy and manage and handles nearly any protocol (e.g., Modbus, COMDEX, TCP/IP, BACnet2). Whatever comes through the Ethernet port is encrypted, decrypted on the other side, and then sent on its way in the same format, without modification, for layer 2 multi-site-to-multi-site architecture. In addition, any medium is supported, including multi-hop satellite, dial up, DSL, cable, cellular, leased line, etc.

Implementation is simplified because RemoteLink 15 is a completely self-contained cryptosystem with no reliance on public or enterprise resources.

RemoteLink 15 protects remote field sites, secure extranet access, and OT segment networks. RemoteLink 15 is a critical component of the LinkGuard platform that secures conduit communications, defines and protects OT system zones, and provides secure interactive remote access. For user connections, it provides built-in mandatory two-factor authentication.

RemoteLink 15 creates a bi-lateral trust between trusted nodes, as opposed to the transition-of-trust scenario with any number of compromise-prone Certificate Authorities. Security is validated by 17 years of continuous use in some of the most demanding environments, with no known vulnerabilities or breaches of these crypto-libraries. It has never fallen over or admitted bad data during an attack.

Blue Ridge Networks' solutions have never failed to protect a client network.

RemoteLink 15 Specification

Data Integrity

- SHA-256
- HMAC SHA-1

Encryption Algorithms

- AES 128, 192, 256

Public Key Cryptography

- RSA and Diffie-Hellman
- 512, 1024, 2048, 4096 RSA Keys

Device IP Assignment

- Dynamic
- Static

Power

- 12V 2A Inline AC adapter

Display

- LED indicators, front

Physical

- Length: 6.6 in.
- Width: 6.2 in.
- Height: 1.2 in.
- Weight: 0.9 lbs.

Environmental

- Temperature 32° to 104° F (0° to 40° C)
- Humidity 0% to 90% @ 40° C (non-condensing)

Model	Ports	Max. AES 256 Throughput	Max. RSA Keys	Concurrent Tunnels
RemoteLink 15	(3) Gigabit Ethernet (RJ-45)	75 Mbps	4096	2