

COBALT SafeLink Gateway • Protecting Transport Streams with RIST

The Cobalt SafeLink Gateway protects live video and audio data over unsecured networks, thereby avoiding video hits or glitches. SafeLink Gateway includes support for UDP, RTP, FEC, and Reliable Internet Stream Transport (RIST) Simple and Main Profile, with encryption and authentication. By using RIST as a low latency protocol, SafeLink provides reliable video transport in live production environments.

SafeLink control is handled with DashBoard, a free application that handles control and monitoring for all openGear® broadcast products. Extensive link quality statistics are provided for fine-tuning. The SafeLink Gateway is also available as a cloud instance, in addition to the openGear form factor. This product is ideal for cloud redundancy switching, as well as Ground-to-Cloud and Cloud-to-Ground transmission using RIST.



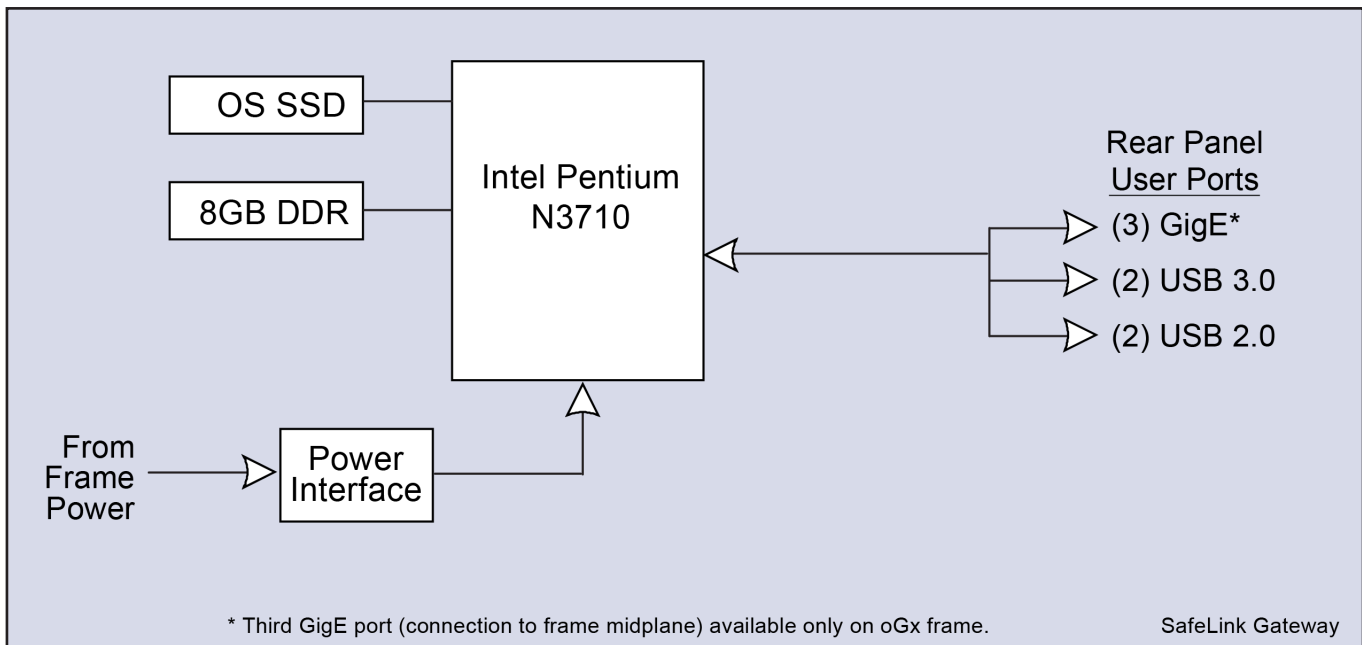
COBALT OG-PC-x86A

SafeLink is compression-agnostic and can protect any type of transport stream. With up to 8 streaming sessions each session offering up to 8 discrete transmit and 8 receive redundant (or aggregated) paths for a potential of transporting content to 64 destinations, SafeLink is ideal for providing link protection to existing encoding/decoding infrastructure. SafeLink can also support up to 8 RIST Main Profile tunnels each of which can support any arbitrary number of streams.

Cobalt offers 1+1 redundancy for the SafeLink Gateway for high availability applications. A backup SafeLink can be commissioned to automatically mirror the configuration of the primary and take over if it fails.

Features

Easily implemented software solution providing RIST with robust status monitoring and configurable setup	Hardware control features such as power on/off, reset, and sleep are accessible via DashBoard remote control – no need for physical collocation with the frame PC
Supports transport streams using any compression standards	Full complement of user ports, including dual GigE and USB
OG-PC-x86-A Obtains operating power from frame – no added or external power connections needed	Low power consumption with minimal effect on overall frame power budget
Ruggedized openGear compliant design. Plugs directly into frame with user ports exposed on rear of unit	Five year warranty



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HDMI, RS-232, and display ports unused on SafeLink



OG-PC-x86-A (Sold Separately) Specifications

Processor System

CPU: Intel® Pentium N3710
 Base Frequency: 1.1 GHz (Burst to 2.5 GHz)
 Number of Cores: 4
 BIOS: AMI EFI 64 Mbit

Memory

Technology: DDR3L 1600 MHz
 Max. Capacity: 8 GB
 OS SSD: 32 GB (M.2 socket)

Ethernet

Speed: 10/100/1000 Mbps
 Connectors: (2) RJ45 on rear I/O panel, connection to frame backplane on OG-3/OG-X/BBG-1300FR

Power

Note: Power figures below represent worse-case (all USB ports fully loaded). Current draw is distributed across multiple slots using supplied rear I/O module. As such, per-slot power consumption is not exceeded for supported 20-slot frames HPF-9000 and OG-FR3 models.
 Power Consumption: 48.6 W
 Power Management: ACPI
 Battery: Lithium 3 V / 210 mAH

Environmental

Operational Temperature: 0° to 45° C (32° to 113° F) (Operational humidity: 40° C @ 95% RH Non-Condensing)
 Non-Operational Temperature: -40° C to 85° C (-40° to 185° F)

Ordering Information

SafeLink-8TS (Software/Hardware): Supports 8 transport streams for receive and transmit paths.

SafeLink 8TS-SW (Software Only): Software package is available to run on off-the-shelf x86 64-bit Linux PCs.

SafeLink 8TS-VM (Software Only): VM images are available to run in the cloud.

Note: Please contact your sales representative for more information and ordering details.