

GATEKEEPER™

1U MThe 1U Multi-Link GATEKEEPER Assembly can be added to the radio chain before the modem. This allows the 1U Multi-Link GATEKEEPER to utilize its excision capability as a modem-agnostic, waveform-dependent tool.

The 1U Multi-Link GATEKEEPER Assembly utilizes an interference excision system specially suited to identify and remove wideband signals. This capability provides high headroom. The capability also features an emphasis on dead zone performance. The tool is also capable of reporting interferer information to the user for awareness, and has the added benefit of reducing operator reaction time. This technique also includes the ability to remove signals both in-band and out-of-band, the SOI, as well as wider than the SOI, all while maintaining the integrity of the signal.

The 1U Multi-Link GATEKEEPER Assembly utilizes a narrowband interference excision technique to filter interfering signals. The tool has been designed to provide an emphasis has also been placed on dead zone performance. The preferred method of excising tones and dynamic signals including chirps, pulsing, FSK and LTE signals.

The 1U Multi-Link GATEKEEPER Assembly web-based GUI allows access to an easy-to-use interface for the GATEKEEPER excision tool. This includes spectral display, monitoring and control, and interference reporting. The web based GUI

Interference
Excision System

KEY FEATURES

- > Excises a wide variety of interfering waveforms commonly encountered in systems worldwide: tones, combs, LTE, full-duplex, etc.
- > Broadly applicable to many hosts and hosts supporting cooperative and non-cooperative interference: full-duplex, same-bandwidth data links and other systems with multiple RF systems operated simultaneously
- > Compensates advanced waveforms increasing data throughput and reliability
- > Improves performance of legacy and added waveforms with increased reliable data transfer
- > Able to be an add-on to existing systems; level of protection is waveform dependent
- > Supports protection of up to 4 links per 1U LRU
- > Web-based GUI operates stand-alone or seamlessly integrated with existing system GUIs

PHYSICAL CHARACTERISTICS	
Form Factor	19-inch rack mount
Size	19" (w) x 19.5" (d) x 1.72" (h)
Weight	< 15 lb.
Power	< 150 W
Cooling	Forced convection, fans

These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.11, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

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