



RAILINK®

Power and Data ARC™ Rails



*RAILINK Shown on
Ops-Core FAST® SF
Helmet System
(Helmet and accessories
not included)*

Giving You The Connected Edge

RAILINK® is the first of its kind power and data solution that forms the backbone of a rapidly developing, scalable ecosystem that powers and connects your headborne system. Users can seamlessly integrate compatible accessories without the need for additional batteries and cable management. Designed and tested with extensive US Military user input, RAILINK is the platform of the future adding capability to the headborne system with new accessories.



KEY FEATURES

■ RAILINK ARC Rails

Combine the industry standard dovetail track for mechanical accessory attachment with an integrated power and data transmission network.

■ Power & Data from a Single Source

Dedicated circuits provide power and high bandwidth data to VAS/NVG and accessory systems, all powered from a single source.

■ Smart Nodes for Mechanical & Electronic Connection

Accessories are connected to the system through Smart Nodes, providing mechanical attachment as well as electronic power and low speed data connection.

■ Universal VAS/NVG Interface

The universal RAILINK VAS/NVG power interface allows the use of a broad array of night vision systems, including the latest systems that incorporate fused thermal channels and require power and data to operate. Dedicated cables routed within the RAILINK system streamline fitment by removing the need for externally routed battery pack cables and reduce undesirable snag hazards.

■ Connectivity Across Systems

Using a communications protocol, power and data are routed through the network from node to node and to the Battery Pack+, which can serve as a controller to share information around the helmet and supports sharing across a network to other soldier systems.

■ Backward and Forward Compatible

RAILINK has been designed to be backward and forward compatible with all FAST high cut helmet systems.

■ Bulk Reduction and Reduced Fatigue


With VAS systems and all accessories drawing power from the single source of RAILINK, the accessories themselves become much smaller and can also be mounted in closer proximity to the center of gravity of the helmet, which results in a lowering of fatigue to the wearer during extended operations.

■ Maximize Space and Simplicity

Mounting outside of the ARC rail dovetail track means more open space for other accessories. Drawing from a single power source means added simplicity for the user, eliminating the need for managing multiple types of batteries per device.



SPECIFICATIONS

EMI Testing Standard:	MIL-STD-461G
Operating Temperature:	Operating Temperature: -40F to 130F
Operating Humidity:	0-95% RH Non-Condensing
Storage Temperature:	-40F to 160F
Ingress Protection (Water/Dust):	IP67 – 1M for 1 Hour (IP67 standard is 1M for 30 min)
Saltwater Immersion:	MIL-STD-810H Rated
Impact:	MIL-STD-810H Rated
Elevation:	Operational at 30,000ft, survive transport to 40,000ft / 4 hours
Node Voltage:	13V
VAS Voltage:	Auto-Selection 3V or 9V
NVGs supported:	PVS-31A, BNVD-1531, GPNVG-18, Kestrel, F-Pano, F-Bino, BNVD-F
System Weight (Rails & Hotshoe):	8oz (226 grams)
Available Sizes:	One Size (adjusts to fit M, L, XL, XXL Ops-Core FAST High Cut Helmet Systems)
Available Color:	 Tan 499

SCALABLE ACCESSORIES



**Surefire®
Flashlight**



**Princeton Tech®
Flexlight**



**CORE Survival®
Strobes**

Contact Us

Ops-Core is committed to designing advanced performance capabilities for the elite warrior. For more information regarding the Ops-Core RAILINK, contact Ops-Core customer support at +1 888.894.1755 or groundcs@gentexcorp.com. The Ops-Core RAILINK is subject to the U.S. Export Administration Regulations (EAR) 15 CFR 730-774. The export of this item and related technical information may require prior authorization from the U.S. Government.