

NODE

MESH + SATELLITE CONNECTIVITY

A first-of-its-kind multi-network device combining the efficiency of mesh radios and the resilience of satellite technology. Node provides a flexible, reliable datalink ensuring continuous communications.



KEY BENEFITS



UNIFIED & LIGHTWEIGHT

A single, lightweight solution that provides multiple data channels. Reduce cognitive load and streamline communications.



SEAMLESS FAILOVER

SmartRouting - data routing software autonomously ensures connectivity across cellular, wifi, mesh, and satcom networks.



DATA SECURITY

AES 256-bit encryption - all data in transit and at rest is encrypted throughout Somewear's system.



NEVER LOSE COVERAGE

Extend connectivity for miles in subterranean environments and bring satellite connectivity indoors with the help of SmartBackhaul.



DYNAMIC BACKHAUL

SmartBackhaul™ - each Node's ability to serve as a backhaul eliminates the need to establish and stay in range of fixed infrastructure.



ATAK INTEGRATED

Power ATAK with a survivable communications network and share locations, messages, shapes, and more.

SMARTBACKHAUL™

The latest evolution of Somewear's proprietary data routing software. SmartBackhaul™ intelligently routes data from the mesh network to the Node(s) that have the best satellite or cellular connectivity to serve as the most optimal wireless backhaul(s).

PRODUCT SPECS

GENERAL	
<i>Dimensions</i>	5.19in x 2.45in x 0.90in / 132mm x 62.4mm x 23mm
<i>Weight</i>	6.8oz
<i>Battery</i>	1950 mAh lithium-ion
NETWORKING	
<i>Mesh protocol / frequency</i>	Somewear proprietary / 902-928 MHz, 863-870 MHz
<i>Satellite / frequency</i>	Iridium / 1610-1626.5 MHz
ENVIRONMENTAL	
<i>Water ingress protection</i>	IP68 (2m for 30 min)
<i>Shock & vibration</i>	MIL-STD-810H
INTERFACES	
<i>External antenna ports</i>	4x MCX
<i>Wireless</i>	BLE 5.0
<i>Charging & data</i>	USB-C

BUILT FOR MISSION INTEGRATION



SOMEWEAR GRID

Grid, paired with Node, allows operators to reliably transmit tracking data and messages to other operators and back to the command center. Our interoperable applications ensure data is available across the preferred channel.



ATAK

The Somewear ATAK plugin, compatible with Grid, enables users to connect Node to ATAK, allowing users to exchange messages, positions, and more when traditional networks are lost.



SELF-SERVE APIs

Transmit data from Somewear's network directly into the common operating picture of your choice. Or leverage our integration framework to push data from your existing third-party systems into Somewear Grid.