

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

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).



UNIFIED & LIGHTWEIGHT

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



NEVER LOSE COVERAGE

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



SEAMLESS FAILOVER

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



DYNAMIC BACKHAUL

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



DATA SECURITY

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



ATAK INTEGRATED

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

PRODUCT SPECS

GENERAL	
Dimensions	5.19in x 2.45in x 0.90in / 132mm x 62.4mm x 23mm
Weight	6.8oz
Battery	1900 mAh lithium-ion
NETWORKING	
Mesh protocol / frequency	Somewear proprietary / 902-928 MHz, 863-870 MHz*
Satellite / frequency	Iridium / 1610-1626.5 MHz
ENVIRONMENTAL	
Water ingress protection	IP68 (2m for 30 min)
Shock & vibration	MIL-STD-810H
INTERFACES	
External antenna ports	4x MCX
Wireless	BLE 5.0
Charging & data	USB-C

BUILT FOR MISSION INTEGRATION



SOMEWEAR GRID

Use Node to connect to Somewear's feature-rich platform, Grid, and stay connected, informed, and safe in any environment. Available on iOS/Android and Web.



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.



THIRD PARTY INTEGRATIONS

Node is built to integrate into your team's existing equipment load. Node can fully integrate with custom applications using Somewear's developer toolkit to facilitate data sharing while offline.