

# CopaSAT

## Reliable Connectivity, Anywhere on Earth

Reliable tactical communications depend on infrastructure solutions that work even in the harshest environments. When your organization operates in places that are completely disconnected from the rest of the world, you need SATCOM hardware that can withstand everything nature and people throw at it.



## CopaSAT STORMSHIELD

### Ruggedized StarLink SATCOM



#### Potential Users & Applications

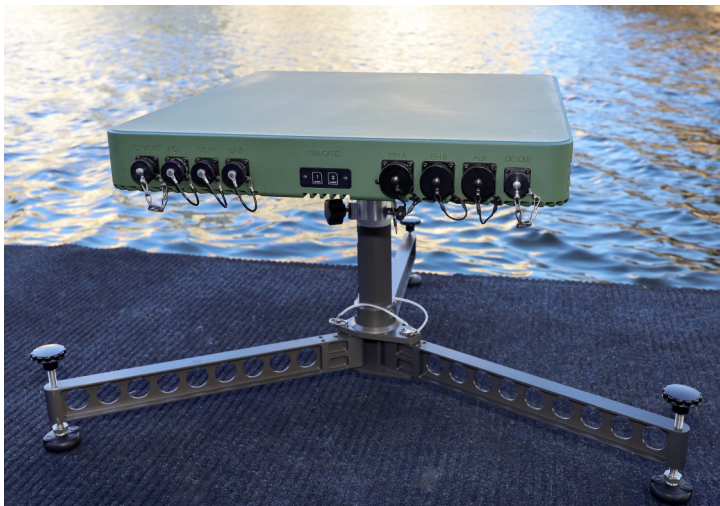
- **Defense & Military:** Secure, resilient & tactical communications for strategic operations.
- **Government Agencies:** Reliable connectivity for critical missions and remote deployments.
- **Oil & Mining:** Seamless communications in remote extraction sites with rugged, field-ready design.
- **Maritime:** High-speed internet for vessels at sea, supporting navigation, operations and crew welfare.
- **Vehicular Operations:** In-motion connectivity for vehicles in challenging environments.
- **Emergency Response Teams:** Rapid deployment for on-the-ground coordination and crisis response.
- **Law Enforcement:** Enhanced field communications for operations in remote or urban locations.
- **Recreational Use:** Reliable internet for adventure travel, remote work, or leisure in isolated areas.

# STORM



## Connectivity, Redefined


- **Global Starlink/StarShield Satellite Coverage:** Seamless access to worldwide connectivity through LEO satellite networks.
- **Smart Network Selection with SD-WAN:** Automatically switches between 5G cellular, Wi-Fi, or satellite for optimal performance, failover protection, and load balancing.
- **Ruggedized Starshield or Starlink Antenna:** Built to MIL-STD-810H standards for ultimate durability.
- **High-Speed LEO Data Rates:** Achieves up to 300 Mbps downlink and 25 Mbps uplink.
- **Flexible Communication Modes:** Supports COTM, COTP, and stationary applications.
- **Extreme Durability, Reliable Connectivity:** Portable, rugged, and ready with one-button activation—even in the harshest environments.
- **Simple, Rapid Access:** No LEO commissioning required; just connect and go with a compatible service plan.
- **Automatic Satellite Provisioning:** No manual pointing or complex setup—just automatic acquisition for instant connectivity.
- **Built for Movement:** Maintains high-speed connections across challenging terrain and seas.
- **Comprehensive SATCOM Solution:** Fully integrated Starlink/Starshield terminal in a ruggedized build.
- **Customized Solutions:** Tailored to meet your unique communication needs.
- **Portable and Travel-Friendly:** Compact for one-person carry, meeting airline checked luggage standards.
- **Versatile Power Options:** Multiple power input choices for flexibility in any situation.



Specifications	
<b>Frequency Band</b>	
Transmit	14.0 GHz–14.50 GHz
Receive	10.70 GHz–12.70 GHz
<b>SD-WAN</b>	
Cradlepoint	Wi-Fi 5G LTE
<b>Environmental &amp; Reliability</b>	
Latency-LEO	<50ms
MIL-STD	Designed to meet MIL-STD-810H
Water Infiltration	Designed to meet IP68
Operating Temperature	-30°C to +55°C
<b>Physical</b>	
Dimensions	23" x 20" x 2 & 3/4 "
Weight	<32 lbs (14.5 Kg)
Mounting Options	<ul style="list-style-type: none"> <li>• 1/4-20 threads</li> <li>• Magnet</li> <li>• Suction Cup</li> </ul>
<b>Power</b>	
Input DC	12–36 VDC
Input AC	100–240 VAC, 50/60 Hz
Solar Input	18–25 VDC, 10A max
BB-2590 Battery Input	24 VDC
Vehicle Power	12–28 VDC
Output	Optional 12 VDC output
Power Consumption	110–150W (steady state) 400W (initialization)
<b>Network Interfaces</b>	
<ul style="list-style-type: none"> <li>• Up to three 10/100/1000 Mbps RJ 45 ports Ethernet ports</li> <li>• 5G/LTE WAN capable / WiFi access point</li> <li>• Management (Smart Phone GUI, M&amp;C, Web UI/REST interfaceable)</li> </ul>	
<b>STORM Options</b>	
<ul style="list-style-type: none"> <li>• Fly-away transit case</li> <li>• Suction cup mounts</li> <li>• Magnetic mounts</li> <li>• Tripod</li> <li>• Multiple color options</li> </ul>	

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