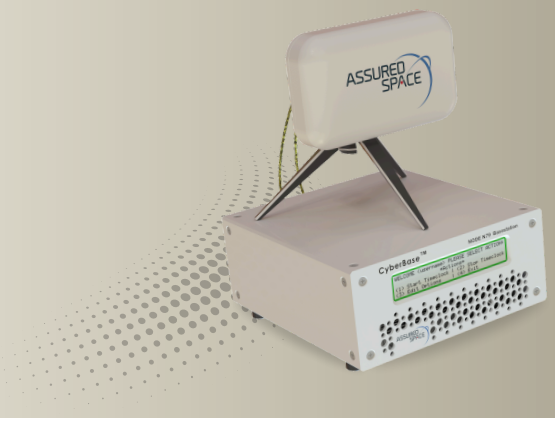
CYBERBASE™
DATA SHEET

ASSURED SPACE



CyberBase™

Tactical Secure 5G Base Station
Built For Resilience. Engineered For The Mission.

CODE
SA5G–2001

SECURE. SCALABLE. MISSION-READY.

PRODUCT OVERVIEW

CyberBase™ is a ruggedized 5G gNodeB Base Station built for tactical military communications.

Designed to deliver secure, high–speed connectivity in harsh environments, it supports mission–critical applications like command and control, surveillance, and situational awareness.

With ultra–low latency, and modular architecture, CyberBase™ enables resilient 5G networking across forward–deployed units, ships, and mobile operations.

APPLICATIONS

Ideal for secure communications, battlefield coordination, ISR data feeds, logistics, disaster response, and forward base connectivity.

Supports ship–to–shore and ship–to–ship networks, enables encrypted tactical data sharing, and integrates with SATCOM or fiber backhaul for versatile deployment across maritime and terrestrial domains.

KEY FEATURES

- **Ruggedized Design:** Resists extreme temperatures, shock, and vibration.
- **High–Speed 5G Connectivity:** Supports low latency (<1ms) and high data rates for real–time operations.
- **Modular Architecture:** Integrates seamlessly with existing military networks and supports future scalability.
- **Electromagnetic Resilience:** Resistant to EMI and jamming in contested environments.
- **Scalable Network Support:** Enables flexible deployment for multiple users and edge nodes.
- **Backhaul Integration:** Connects via RJ45 to SATCOM terminals or fiber for land/maritime flexibility.

MINI SPECIFICATION

Requirement	Specification
Frequency Bands Supported	Tactical: N79 Public: N34, N38, N40, N41, N46, N47, N48, N50, N51, N53, N54, N77, N78, N90, N101
Coverage Range	2–4km (environment dependent)
MIMO Configuration	2x2 MIMO
Throughput	100Mb/s to 1Gb/s
CyberSecurity	AES–256 (PQC Planned)
Ruggedization	Ruggedized Enclosure Option

APPLICATIONS

- Real–Time Command and Control
- Situational Awareness
- Tactical Data Sharing
- Secure Communications
- Logistics and Supply Chain Management
- Disaster Response and Recovery
- Naval Operations
- Forward Operating Base (FOB) Connectivity

Requirement	Specification
Channel Bandwidth	Up to 50 MHz
Latency	<1 ms (Low Latency Modes)
EMI Protection	Resistant to EMI and jamming
Backhaul Data Connector	RJ45 Ethernet
Power Consumption	175W
Supply Voltage	24–48V
Mass	5.5kg (Radio) 0.6kg (Antenna)
Dimensions (Radio Unit)	25.5cm X 24cm X 11cm (10in X 9.4in X 4.3in)

www.assuredspace.com

3200 N. Dobson Rd., Chandler, AZ 85224 • 602–363–8425

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