

The IBUC Advantage

All IBUCs are equipped with cutting-edge intelligent technology:

- Highest quality & exacting performance guaranteed through individual unit testing over temperature
- Superior linearity for maximum useable output power
- Amplifier overdrive protection
- User-selectable AGC/ALC for optimal performance & compatibility with modern adaptive coding
- New high capacity microprocessor & extended M&C functions
- Weatherized RJ45 Ethernet interface for simplified connection

ULTIMATE MANAGEMENT & CONTROL

- Local Web Interface & NMS-Friendly SNMP
- 70+ User Configurable Thresholds & Alarms
- Upgraded Event Log with 1,000 Sensor Readings
- Performance Trend Analysis Tools & Statistical logs
- Embedded Web Pages for Universal Web Browser Access

Applications

The **IBUC 2G** is a full-featured Intelligent Block Upconverter that now supports multicarrier transmission across the X-band spectrum and uses Gallium Nitride amplifier technology. GaN advantages include higher power in a smaller outdoor enclosure and low power consumption. Designed for long lifetime performance in demanding environments.

Multiple sensors & a new, high-capacity microprocessor provide tools to optimize remote terminal performance. The **IBUC 2G** is a perfect solution for mobile defense terminals operating in demanding environments.

Options

- 1+1 Transmit Redundancy with Eco-Mode
- High Stability Internal 10 MHz Reference with Auto-Detection
- Mounting Brackets
- N-Type, F-Type, or TNC Input Connectors
- Handheld Terminal
- Cyber Hardened Core M&C
- WGS (Wideband Global SATCOM) compatible
- External Waveguide Rx Reject Filter

X-Band IBUC 2G

100W Compact GaN IBUC For Multicarrier Application



New Cyber
Hardened
version
available

Multicarrier
Application

100W
P_{lin} 50W

GaN
Tech
Amplifier

3
Year
Warranty

Note: Since not all the optional features can be combined, please, contact our sales team for further info at: Sales@Terrasatinc.com

