Product brief: Rugged ICS-C2
Mobile integrated C2 communications

Rugged ICS-C2 is based on the certified Voice-over-IP communication system iSecCOM which is in operational use in deployable and static command posts all over the world offering voice communications on strategic, operational and tactical levels. It is designed for mission-critical environments offering a fully operational, end-to-end IP ground-air and ground-ground communications system using single headset and tablet. Adhering to military and industry standards gives operators everything they need for effective mission management across telephone, intercom, radio, recording, data and conference services, all via a single operator position with configurable HMI.

Key features

Rugged ICS-C2 kit

Provides highly redundant VoIP-radio & telephone voice communications for mission and command control operators to ensure no single point of failure.

VoIP radio and phone interfaces

Interoperable with all major radio base station brands used in military command and control applications.

Radio remote control

Remote control of radio parameters such as frequency settings, channel selection, power, encryption mode among others available directly on operator user interface.

Redundant, high availability VoIP network

Connectivity to other ICS-C2 kits is supported via redundant Ethernet, dedicated fiber, wide area routed IP networks, microwave, as well as satellite connections.

Fail-safe resilience

The field-proven, distributed VoIP solution provides no-single-point-of-failure ensures bulletproof resilience, supporting autonomous and continuous operations even in the event of loss of other communication nodes in the network. Developed in line with ED-153 [SWAL 3] standards.
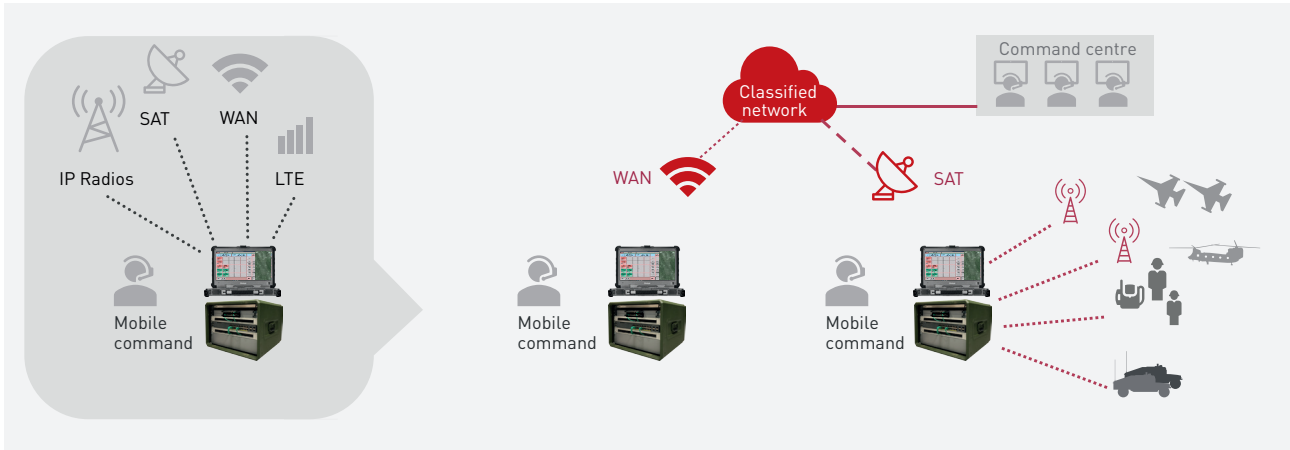
Electronic counter-counter-measures

Integrates radios in fixed frequency and ECCM mode (e.g. HQ I/II, SATURN)

Rugged ICS-C2 at a glance

- Rapid deployment & on-site incident response
- Standalone secure communications system
- Direct access to VHF and UHF and IP radios
- Integrated radio remote control & legal recording
- Redundant Ethernet ports & power supplies
- No single point of failure
- Network units in a system of systems architecture
- Fully compliant to the latest interoperability standards for VoIP
- End-to-End VoIP architecture
- Man deployable & lightweight, compact footprint
- Link 16 secure voice at the operator position

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Benefits

Mobile and deployable

Give your operators an easy-to-use, unique system that simplifies complex battlefield requirements.

Non-stop availability where it matters

Field-proven, bulletproof technology that is designed with no single point of failure and built-in redundancy to ensure continuity of service.

Cybersecurity built-in

ICS-C2 complies with the latest IT security standards specified by the NIST STD 800.53, which provides access control, password complexity, security audit functions, supports encryption on network level, supports SNMPv3 secure health monitoring.

Facts and figures

Operator position	Lightweight ultra rugged notebook with a battery runtime up to 10hrs
	Environmental spec: Temperature, Ingress Protection (IP) & humidity according to : MIL-STD: 810G
	Electro magnetical spec: MIL-STD 461G certified
	Optional accessories: Backpack, vehicle dock and adapter, mobile connectivity (WiFi, Bluetooth, mobile cellular network up to 5G), dedicated GPS
	Optional features: Glove-friendly resistive touch screen & sunlight readable display
Hardigg case	Configurable items - according to customer needs: Radio interface , phone interface, router, battery unit, VHF/UHF radio, VSAT modem
	Dimensions (HxWxD) : 686mm x 589mm x 710mm / 27" x 23.19" x 27.95"
	Man-deployable: yes
	Standards: MIL-STD-810F / DEF STAN 00-35 / IP65 / RoHS
	Weight: depends on customer configuration
	NATO stock number: BS5954
Ruggedised radio interface unit	Analogue/digital radio interface for up to 4 radios with radio remote control
	Support for LINK 16, HQ I/II, SECOS® radios
	Standards: MIL-STD-810G 461E, CE102-1
Power unit	Redundant connection, 110 – 240 V AC, 50 - 60Hz, 11 – 36 V DC
System battlefield certified	High reliability: > 99.9999%, VoIP fully compliant to EUROCAE ED-137 (phone & radio),
	Network-centric design by default
	ICAO: Annex 10, 11 ATS / ED: 136, 137, 138 and ED153 / EC: EC482, EC552, CAP 670