L3HARRIS®
FAST. FORWARD.

INDIVIDUAL CORVUS® NODE

Compact, lightweight, individual EW and cyber system

TECHNICAL SPECIFICATIONS	
Frequency range	
Transmitter	20 MHz – 6000 MHz
	Up to 2.4 GHz instantaneous Tx bandwidth
Receiver	20 MHz – 6000 MHz
	Up to 160 MHz instantaneous RX bandwidth
Transmitter parameters	DAC based signal generation method
Physical characteristics	
Dimensions	H 180 mm, W 139 mm, D 65mm (excluding battery and antennas)
Weight	1.7 kg (excluding battery and antennas)
Power consumption	<120 W typical
Power supply	Battery operated BB2590 or equivalent 9-36 V
Temperature range	Operating: -40˚C to +55˚C Storage: -40˚C to +85˚C
Chassis material	Aluminium
Finish	Powder coat. Standard colour options: Jet Black (RAL 9005) Grey Beige (RAL 1019) NATO Green/IRR (BS381C 285) Pebble Grey (RAL 7032)
Interfaces	
Programming input/output	Rear panel circular battery/fill connector Ethernet via front connector
RF ports	2 x 5W N-type
Programming	USB 3/2.0 1 GB Ethernet
Synchronisation	Can be synchronised by internal or external source
Alarms	Alarm indicators on front panel, replicated on RCU
	Audible alarm built into main unit and RCU
	Visible/audible alarms for unit diagnostics
	Covert mode
Security	Zeroise sequence erases all mission data, synchronisation and operating firmware
User interface - local C2	Onboard web server for mission and system data
Standards compliance	
Handling/transit	Compliant with the following MIL-STD 810F standards: Vibration (transport) 514.5, 1 Transit drop 516.5, 4
Environmental	Compliant with the following MIL-STD 810G standards: Low pressure survival 500.4, 1 Low temperature storage (-40˚C) 502.4, 1 Low temperature operation (-40˚C) 502.4, 2 High temperature storage (+85˚C) 501.4, 1 High temperature operation (+60˚C) 501.4, 2 High humidity 507.4, 1 Blowing rain 506.4, 1 Blowing dust 510.4, 1 Blowing sand 510.4, 2
Electromagnetic compatibility (EMC)	Compliant with the following MIL-STD 461F standards: Test: Conducted susceptibility CS114, CS115, CS116 Radiated susceptibility RS103 Radiated emissions RE102
Electrostatic discharge (ESD)	ESD immunity compliant with BS EN61000-4-2

CORVUS® is a family of static, mounted or dismounted systems built around a highly agile architectural core, capable of hosting user defined, mission specific EW and cyber applications.

CORVUS® Individual CEMA Node (ICN) is the most compact system within the CORVUS® family, specifically designed to deliver optimal performance without compromising individual freedom of manoeuvre. Applications include electronic surveillance, electronic attack and force protection.

KEY BENEFITS:

- Smallest unit in a range of new EW and cyber capability
- Individual detect, collect, deny and protect EW and cyber system
- Application driven functionality enabling rapid reconfiguration
- Fully ruggedised, 1.7 kg unit (without antenna/battery)
- Delivers individual force protection, electronic surveillance and electronic attack
- Web-based interface
- OpenCPI enabled
- Supports third party applications

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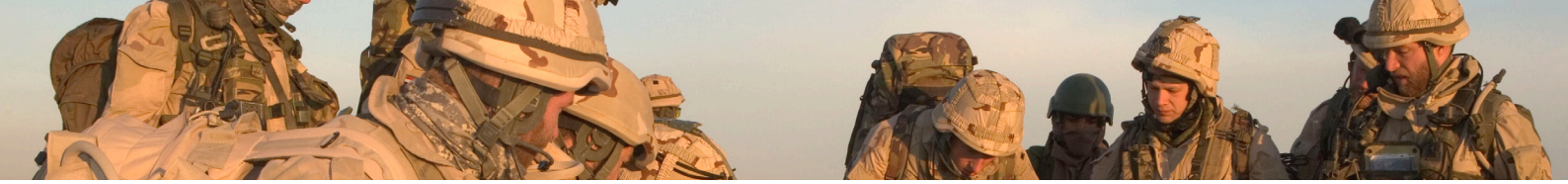
Selected technical information will only be disclosed to personnel and organisations upon enquiry.



AN AGILE, MODULAR APPROACH TO COUNTER EVOLVING THREATS

Embodying components and architectural approaches from the wider CORVUS® family, ICN delivers individual, convergent capability in an optimal configuration of size, weight and power. CORVUS® ICN hosts L3Harris's purpose designed fast scanning, wideband transceiver providing two independent, fully programmable, full band channels.

CORVUS® ICN is rapidly reconfigurable in the field, with users able to access pre-configured applications via fast firmware switching. An intuitive web based GUI allows the user to select the most compact hardware (PDA, tablet, laptop) to suit mission deployment. The system itself supports secure, sanitisable storage of application data.

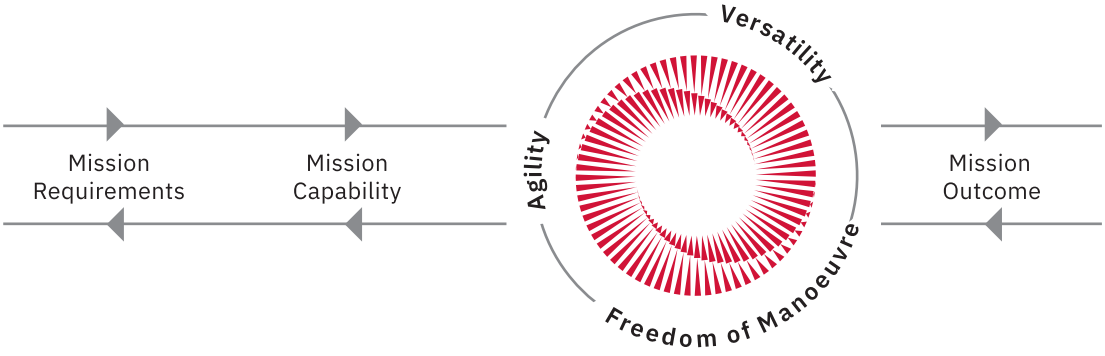
CORVUS® ICN enables reuse of multi-role, multi-platform EW and cyber capabilities, faster reconfiguration to meet mission specific or threat driven requirements as well as a faster way to develop, test and deploy threat defeat waveforms. This provides the user with increased agility and cost benefits when compared to stove-piped, single role, hardware constrained EW systems.

Utilising a customisable mission generation toolset, CORVUS® ICN delivers pre-generated standard waveforms and fully bespoke customer generated applications. This enables the user to create a portfolio of EW and cyber applications capable of delivering operational effect in a multitude of different operating environments.

A comprehensive suite of health checks enables CORVUS® ICN to assure operational parameters at start-up and throughout the system's operation. Should there be an issue with the system's performance, an audio-visual indication is provided to the user so that remedial actions can be undertaken.

AGILITY. VERSATILITY. FREEDOM

CORVUS® utilises a modular, open standards based architecture to deliver information superiority against agile and evolving threats.



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L3Harris Technologies is a Trusted Disruptor for the global aerospace and defence industry. With customers' mission-critical needs always in mind, our 46,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains.

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