VOICE C2 Blade System
Interoperable communications for rapid incident response

Compact yet full featured, the Blade System is a small form factor variant of the VOICE C2. It provides flexible and seamless communications between IP, digital and analogue communication assets. The Blade System allows users to integrate disparate technologies including IP and analogue phones, telephone systems, tactical and conventional radios, and cellular equipment in a small modular footprint. The system allows these different communication sources to be automatically routed, patched, and conferenced to provide a truly interoperable communications solution across the battlefield.

Key features

Multi-agency operations

With the ability to easily network via existing IP-based communications infrastructure, our Blade System is designed to support geographically distributed operations, allowing commanders to manage deployed and distributed assets. Blade System allows deployed Tactical command centres to be quickly setup and operated using their existing communications equipment to interoperate with other agencies.

Rapid deployment

Blade System is 19" Rack mountable, easily transportable and supports both fixed and deployed application.
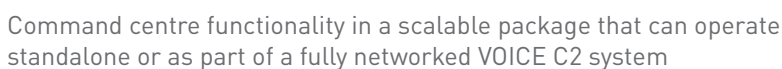
Mobile command centre

In addition to interoperability, our Blade System provides a standalone command centre with full dispatch capability for multi-agency operations. The powerful touchscreen-based operator position allows real-time command and control of your entire existing communications infrastructure. It provides Reach-Forward access to radio nets connected to smaller deployed Blade System units and Reach-Back to allow HQ to monitor remote tactical communications via the Satellite or IP WAN.
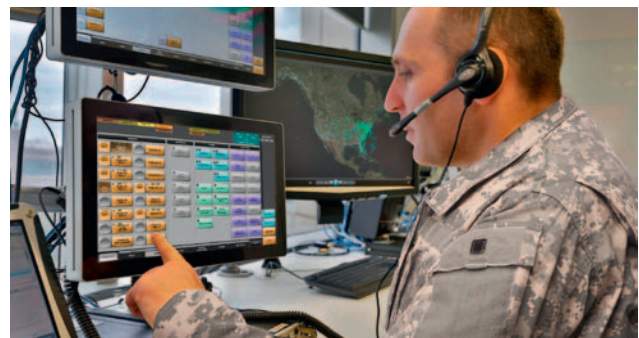
VOICE C2 Blade System at a glance

- Advanced remote radio control for an extensive range of radios from all major radio suppliers
- Integrated telephony and radio communications: UHF, VHF, HF (ALE, SELCAL), TETRA (PEI), P25
- Advanced remote radio control: channel change, gain, mode, power, etc (dependent on radio support)
- Facility control: access gates, sirens, lighting & CCTV
- Configurable Standard Operating Procedures and Alarm Monitoring
- True IP-at-the-core (no TDM elements)
- Suitable for compact installations, such as cabins and towers due to reduced size, weight and power requirements

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Command centre functionality in a scalable package that can operate standalone or as part of a fully networked VOICE C2 system

Configuration options

The Blade System LAN Blade may be used as a single unit, or in a dual-redundant configuration.

The optional WAN Blade provides Wide Area Network (WAN) connectivity to link to other systems/sites.

Technical specifications

Physical	Dimensions (per blade)	Width: 19″ rack mount; height: 44.5 mm rack unit; depth: 450 mm
	Configuration	Up to 3x blades per system; static or deployable rack configuration
Connectivity	Ethernet LAN	16x IEEE 802.3 10/100 Base-T
	Radios	12 x 4-wire E&M plus serial control
	Cellular gateway	2x GSM audio channels
	External antennas	GSM
	Telephony	SIP Trunk and/or IP phones
	WAN	100/1000 Base-T (optional 4G Ethernet via external gateway)
	Redundancy	Fully redundant in dual LAN blade topology: power, CPU, IP switch
	Max configuration	2x LAN blades and 1x WAN blade
Operator Positions	Operator Control Unit (OCU)	Full dispatch and interoperability functions supported from ruggedized toughbook or desk-mount touchscreen
	Hosts	Single LAN blade hosts: 1x VCS server, 8-port IP switch, 4x radio interfaces; WAN blade hosts: 1x WAN interface, 2x GSM channels, 4x radio interfaces