



CRESCENDO™
RAPIDLY DEPLOYABLE
COMMUNICATIONS
COMMAND CENTER



HARRIS® TECHNOLOGY TO CONNECT,
INFORM AND PROTECT™

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BRIDGE THE COMMUNICATIONS GAP IN THE FIELD

Crescendo™ provides a quickly established, versatile command center for personnel in rapid response environments to interoperate with others via their existing communications.

RAPID DEPLOYMENT

Lightweight and transportable, Crescendo is easily deployed into the field, making it ideal for rapid onsite incident response. The system provides flexible and seamless communications between IP and analog phones, radios and cellular equipment. Its extremely compact footprint fits easily into a vehicle or the overhead locker of most aircraft. Based on our advanced end-to-end VoIP product, *SwitchplusIP®*, Crescendo allows a wide variety of communications resources to be automatically routed, patched and conferenced together—making it a truly interoperable communications solution for those in the field.

MULTI-PARTY OPERATIONS

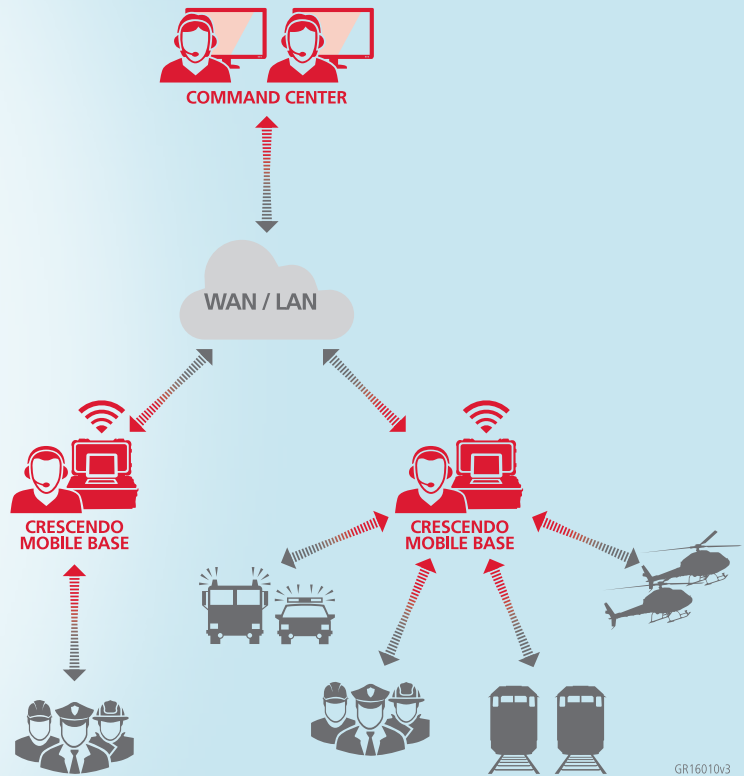
Stovepiped communication technologies can make it difficult for different agencies and entities to communicate with each other in the field. Extensive conferencing and patching of radios and telephony allows Crescendo to bridge the gap, allowing in-field personnel to use a variety of communications equipment to interoperate with others.

MOBILE COMMAND CENTER

Used on its own, a single Crescendo can provide a powerful standalone command center for multi-faceted operations or be preconfigured for unmanned operation. The touch screen-based operator position allows initiation of voice communications across multiple bearers and PTT access to multiple local and remote radio networks. For extended reach, multiple Crescendos can be dynamically networked and connect to third-party systems via open-standards Voice over IP (VoIP) and Session Initiation (SIP) protocols.



CRESCENDO MOBILE BASE



KEY BENEFITS

Lightweight and transportable for rapid deployment

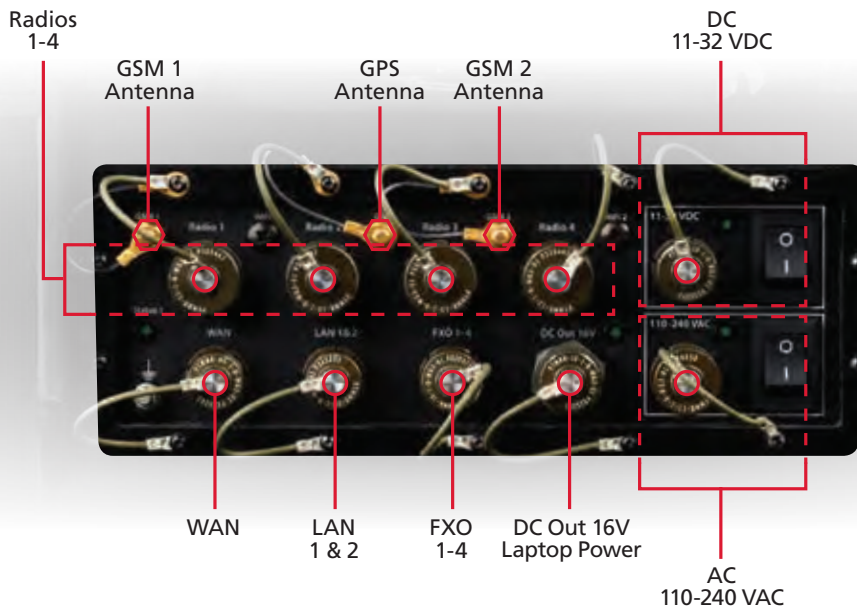
Bridges communications gaps for in-field interoperability

Mobile command of multiple networks

Real-time information flow during critical incidents

INFORMATION FLOW

During critical incidents, Crescendo lets field users stay current with what's happening—in real time. From any fixed or mobile phone, operators can monitor all radio traffic, and even transmit audio if necessary. Post-incident reviews and training are enhanced by a log of actions and events combined with actual voice transmissions. This feature ensures that incidents can be reconstructed for review and analysis purposes.



Close-up of Crescendo's external systems-connectivity panel.



SPECIFICATIONS FOR: CRESCENDO

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	22 in x 13.8 in x 9 in (56 cm x 35 cm x 23 cm)
Weight (with laptop, cables and accessories)	40 lbs (20 kg)

POWER

AC	100-240 VAC
DC	11-32 VDC
AC and/or DC Switch	—

CONNECTIVITY

Ethernet	3 x IEEE 802.3 10/100 Base-T (1 x WAN, 2 x LAN)
Ethernet WAN	Satellite, Terrestrial, WiFi, RF, LTE, 4G
Wi-Fi	802.11 b/g/n hotspot or client (optional)
Radios	4 x 4-wire E&M including serial for control (expandable)
Cellular Gateway	2 x GSM channels (LTE 3/4G)
Telephony	4 x FXO, IP phones (optional) SIP PBX (included)
External Antennas	3G/4G and GPS
Operator Control Unit (OCU)	Ruggedized Toughbook®
Commercial Headset	Noise canceling (standard)
Cables	Available for a wide range of radio types

About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments—from ocean to orbit and everywhere in between. Harris has approximately \$7.5 billion in annualized revenue and supports customers in more than 100 countries through four customer-focused business segments: Critical Networks, Space and Intelligence Systems, Electronic Systems and Communication Systems.

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