# SwitchPlusIP - C-OTM Plus

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### Integrated Comms For Deployable Command Posts

For over 60 years, Harris has been a trusted provider of mission and safety critical products, solutions, and services that support defence organizations globally. Our leading edge solutions significantly improve the effectiveness, security, and capacity of our customer's defence operations.
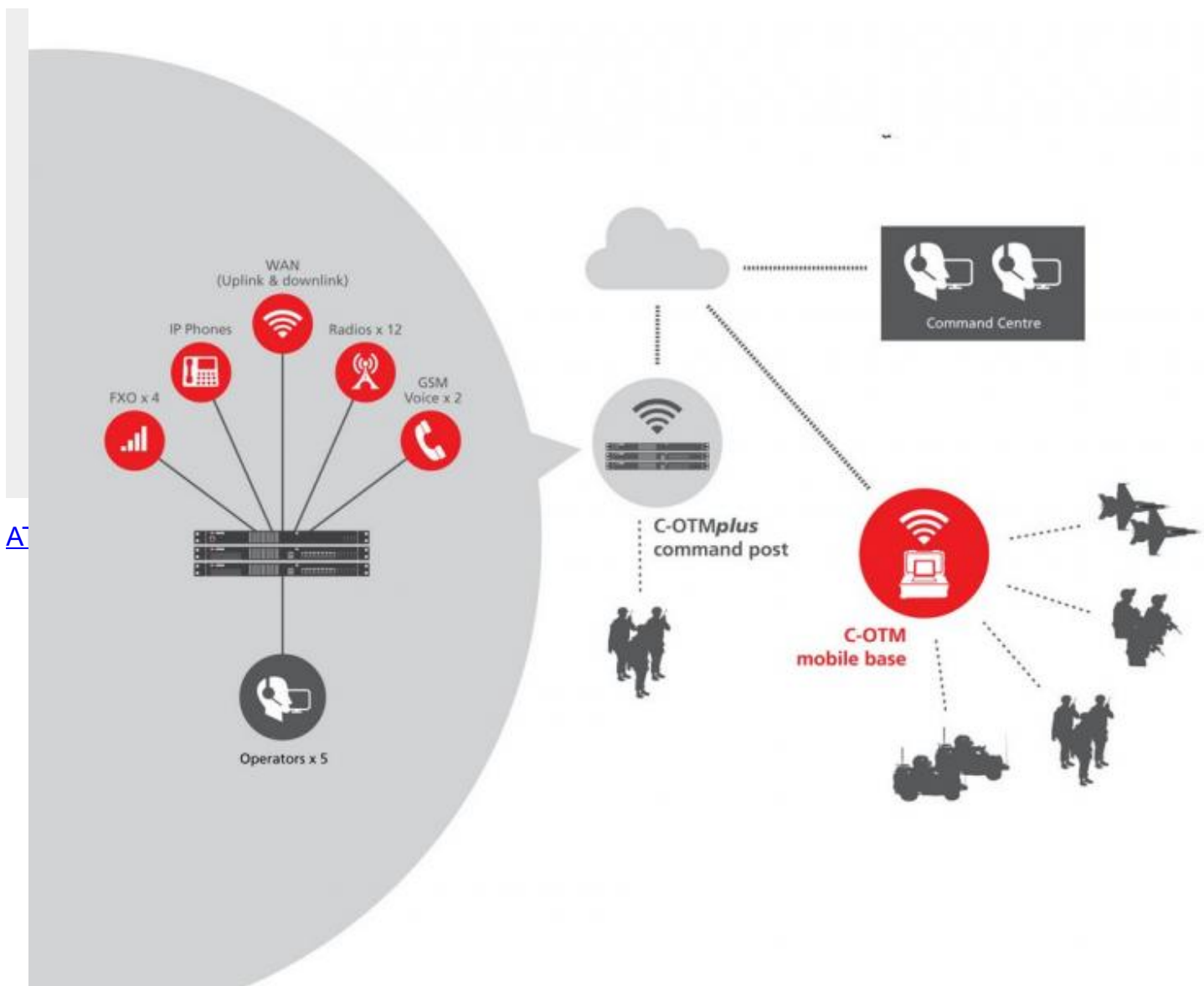
### MULTI-AGENCY OPERATIONS

With the ability to easily network via existing IP-based communications infrastructure, C-OTMplus is designed to support geographically distributed operations, allowing commanders to manage deployed and distributed assets.

C-OTMplus allows deployed Tactical command-centres to be quickly set up and operated using their existing communications equipment to interoperate with other agencies.

### RAPID DEPLOYMENT

C-OTMplus is 19" Rack mountable, easily transportable and supports both fixed and deployed application. The full featured C-OTMplus 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.

## MOBILE COMMAND CENTER

In addition to interoperability, C-OTMplus provides a standalone command center with full dispatch capability for multi-agency operations. The powerful touch-screen 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 C-OTM units and Reach-Back to allow HQ to monitor remote tactical communications via the Satellite or IP WAN.

## FLEXIBLE CONFIGURATION

C-OTMplus is software configurable and is based on the Harris world leading SwitchplusIP product. Using VoIP-based technology, the system provides flexible and seamless communications between IP, digital and analog communication devices with IP-at-the-core and no TDM elements.

### FEATURES

Integrated radio communications: P25 (DFSI), Tetra (PEI), conventional UHF, VHF, HF (ALE, SELCAL)

Advanced remote radio control: channel change, gain, mode, power, etc (dependent on radio support)

Digital radio integration: emergency, man-down, individual/group call, SDS, GPS location etc

(direct IP to infrastructure or PEI)

Integrated IP and legacy telephony: SIP, E1/T1*, FXO, FXS*, PAGA (Giant Voice)

Facility control: doors, sirens, booster pumps, lighting, access gates & CCTV. Ideal for deployable command posts or major incident management
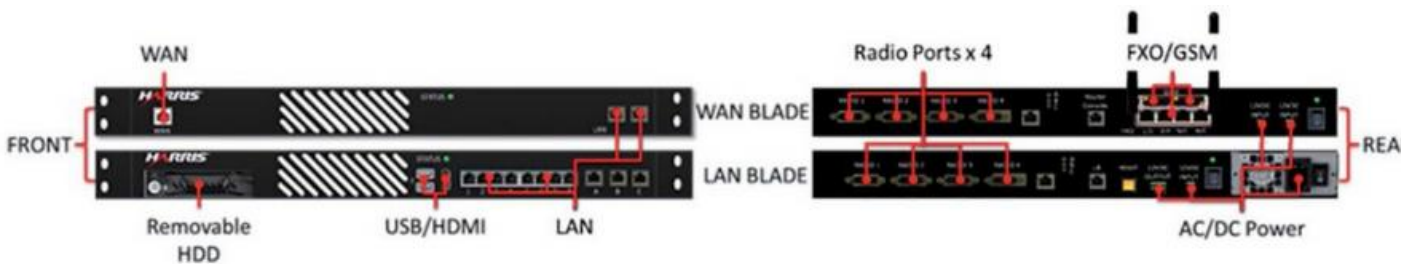
Alarm monitoring: interface to distributed fire alarm panels from buildings and concourse (alarm panel dependent)

Configurable Standard

Operating Procedures

True IP-at-the-core (no TDM elements)

Any operator, any radio, anywhere

# SPECIFICATIONS

**PHYSICAL**

| Dimensions (per blade) | Width: 19" rack mount<br>Height: 44.5mm (1 Rack Unit)<br>Depth: 450mm |
|---|---|

**POWER**

| AC | 100–240 VAC |
|---|---|
| DC | 12 VDC |
| Power supply | AC and/or DC switch |

**CONNECTIVITY**

| Ethernet LAN | 16 x IEEE 802.3 10/100 Base-T |
|---|---|

| Radios | 12 x 4-wire E&M (including serial for control). Supports interconnection of radios of any band including HF, VHF, UHF, P25, Tetra. Cables available for a wide range of radio types |
| --- | --- |
| Cellular gateway | 2 x GSM audio channels |
| External antennas | GSM |
| Telephony | 4 x FXO, IP phones (optional)<br>50 x IP phones (requires additional IP switch)<br>SIP Trunk |
| WAN | 100/1000 Base-T, (Optional 4G Ethernet*) |
| Redundancy | Fully redundant in dual LAN blade topology: Power, CPU, IP Switch |
| Max configuration | 2 x LAN blades and 1 x WAN blade |
| **OPERATOR POSITIONS** | |
| Operator Control Unit (OCU) | Full dispatch and interoperability functions supported from Ruggedized Toughbook or desk mount touchscreen |
| Headset | Commercial noise cancelling headset standard |

**SwitchPlusIP - C-OTM Plus - Interoperable Communications For Rapid Incident Response**