REDCOM STRIKE™

Sigma Tactical Radio Interoperability Kit for the Edge

REDCOM STRIKE is a low-SWaP integrated communications hub for expeditionary forces. STRIKE consists of a ruggedized top-of-the-line Getac X600 Pro laptop running REDCOM Sigma, which unifies IP and RF communications across SATCOM, 4G/5G, MANET, and legacy radio networks, delivering an entire command center in one device.

Any radio. Any net.

STRIKE integrates four analog radio ports and native IP radio support, enabling you to connect voice traffic from virtually any tactical radio — regardless of make, model, waveform, or encryption. STRIKE bridges these nets together or with SIP endpoints, without extra gear or configuration headaches.

Built-in 5G. Always connected.

STRIKE includes an onboard 5G modem and antenna for instant comms in disrupted, degraded, intermittent, or low-bandwidth (DDIL) environments. Just insert a SIM card and start pushing comms from local radios to remote SIP endpoints or TAK clients.

One screen to rule them all.

STRIKE consolidates the management of your entire tactical comms ecosystem onto a daylight bright 1000 nit single pane of glass. Users can monitor and control all endpoints from the Sigma C2 Console, or use the REDCOM Sigma Client for Windows to push PTT comms, send chat messages, or share video streams. STRIKE even has enough extra horsepower to run other applications, such as a TAK server.

Unplugged. Unstoppable.

STRIKE is third-party certified to MIL-STD 461G interoperability and MIL-STD 810H harsh environments and weighs in at just 18 lbs. You can shut the screen, unplug the power, and move out, keeping Sigma and your whole virtual server stack running for hours on four hot-swappable batteries.

Fully modular. Inside and out.

No two missions are the same, but REDCOM STRIKE flexes to meet them all. From software radio patching in Sigma to hardware expansion via a spare PCIe slot, two external SMA WWAN antenna ports for AO specific 4G/5G bands, and modular MOLLE mounting for mission-specific gear, every element is meticulously built for rapid reconfiguration in the field.

Maximum Security. Minimal Burden.

Integrated ZKX Helix software ensures immediate Zero Trust compliance and uncompromised C2 assurance from day one.

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Getac

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Analog radio interop details

- Features 4 built-in analog ports for donor radios.
- Agnostic to radio make, model, encryption, and waveform.
- Works with virtually any public safety or tactical radio.
- Communicate seamlessly over multiple nets, including VHF, UHF, HF, SATCOM, and TSM.
- Configurable PTT signaling modes per port and per caller.
- Supports patches, dialed calls, and independent monitoring.

IP radio interop details

- Interoperable with unicast and multicast RTP-capable radios and PTT apps — including radios from Silvus Technologies, Persistent Systems, DTC, and Thales.
- Simultaneous access to multiple talk groups on a single radio network via individual Sigma radio lines — such as a TSM RF mesh network.
- IP-connected radio nets connect to REDCOM STRIKE via ethernet and do not use up any of the analog radio ports.

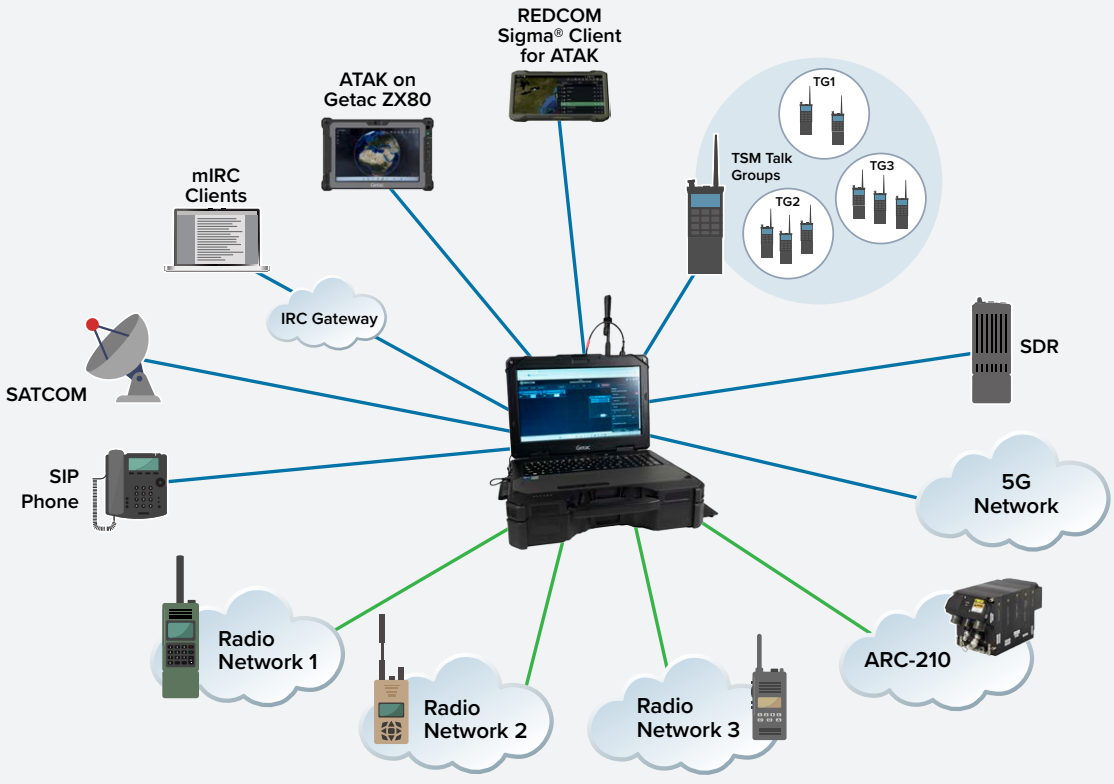
Powered by REDCOM Sigma® software

- The C2 platform of choice for the U.S. Army and U.S. Air Force.
- Built for tactical communicators; software is easy to learn without the need for field service reps and IT experts.
- C2 Console app enables an operator to monitor and control all tactical comms from a single pane of glass.
- Broadcast video streams from external cameras or drones. Remote channel users on Sigma Client can select which stream they want to watch on-demand.

Resilient, future-proof design

- Flexible and scalable — supports IP phones, analog radios, TSM radios, MANETs, and the REDCOM Sigma Client for ATAK and Windows.
- A single box allows the warfighter to connect virtually unlimited IP and RF endpoints.
- Provides warfighters with a C2 platform (voice, video, chat) for lower echelons that does not rely on higher HQ.
- No rip and replace — interoperates with legacy or existing technology.

STAY CONNECTED AT ALL TIMES WITH REDCOM STRIKE™



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RESEARCH, ENGINEERING, & DEVELOPMENT IN COMMUNICATIONS

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REDCOM STRIKE™ Specifications

PHYSICAL

Dimensions (WxDxH)	16.22” x 12.68” x 3.05” / 412 x 322 x 77.4mm
Weight	~18 lbs
Power	AC adapter (230W, 100-240VAC, 50/60Hz) Battery (10.8V, typical 6900mAh; min. 6600mAh) x 4
Processor	11th Gen Intel Core i9-11950H @ 2.6 GHz
Graphics	AD2000 with 8GB DDR MXM
Storage	4 TB NVMe SSD, expandable 2nd and 3rd NVMe slots
Memory	128GB DDR4
Display	15.6” TFT LCD FHD (1920 x 1080) Protection film 1,000 nits LumiBond display Capacitive multi-touch screen
Audio	Integrated stereo speakers Integrated dual-array microphone
Warranty	3 year bumper-to-bumper warranty from Getac 5 year limited hardware warranty on the REDCOM XRI-PCIe module

ENVIRONMENTAL

Temperature	Operating: -29°C to 63°C / -20°F to 145°F Storage: -51°C to 71°C / -60°F to 160°F
Humidity	95% RH, non-condensing
Emissions	FCC Part 15 Sub-part B Class B compliant (validated)
Rugged Features	MIL-STD-810H certified IP66 certified MIL-STD-461G certified Vibration and 4ft (1.2m) drop resistant

PORTS

Networking Interfaces	2.5GBASE-T Ethernet Intel® Wi-Fi 6E AX210, 802.11ax Bluetooth (v5.2) viii Dedicated GPS with L1/L5 ix 4G/5G mobile broadband with dedicated GPS
I/O Interfaces	Thunderbolt™ 4 Type-C x 1 USB 3.2 Gen 2 Type-A x 4 LAN (RJ-45) x 2 Audio in/out combo x 1 DC in Jack x 1 HDMI 2.0 x 1 Display port x 1 Docking connector x 1 Serial port (9-pin; D-sub) x 2 External VGA (15-pin; D-sub) x1 or 3rd serial port (9-pin; D-sub) x 1 SIM card slot x 1 (Mini-SIM, 2FF) RF antenna pass-through for GPS, WWAN and WLAN x 1

XRI-PCIE ANALOG PORT DETAILS (4X RJ45)

Receive audio interface	2-wire transformer coupled input for noise reduction and DC isolation Supports balanced 600 ohm or unbalanced connections Software-selectable input gain Maximum audio input signal voltage is 5 volts peak-to-peak
Transmit audio interface	2-wire transformer coupled output for noise reduction and DC isolation Supports balanced 600 ohm or unbalanced connections Software-selectable output gain with line-level and microphone-level modes
Discrete interfaces for PTT and general-purpose output functions	GPIO A: solid-state relay, dedicated return, output limits: 56 VDC, 100 milliamps
Discrete interfaces for COR/Retrans and general-purpose input functions	GPIO D: input with on/off sense and voltage sense, 0-58 VDC
Common ground isolated per port	Allows ground plane variations between the XRI and each attached radio

Note: some Sigma features may require a feature license. Please consult with your REDCOM solution advisor for pricing and configuration options.

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