OCTAGON® SYSTEMS

Rugged Computer Systems for Extreme Environments

Trusted platforms for mission-critical applications

A global leader in the design and manufacturing of rugged, application-ready, COTS hardware platforms. We have supported plenty of rugged, industrial, and defence applications for land, sea, and air deployments for 30+ years.

Our products are proudly built **OCTAGON TOUGH** in Canada, and are MIL-SPEC tested for superior and lasting performance in rugged environments. Customers can rely on our high-quality products and full lifecycle support.

Designed, Tested & Built
OCTAGON TOUGH

OCTAGON® SYSTEMS

ECHELON | 19" High-Density Server

CUTLASS | SFF Server

VANGUARD | 19" All Purpose Server

VANGUARD-SLIM | Short-depth mobile servers

HALFGUARD | Half-width mobile servers

TRAX | GP SFF Platforms

FALC | GPU SFF Platforms

TOUGH-TOUCH | Rugged Displays

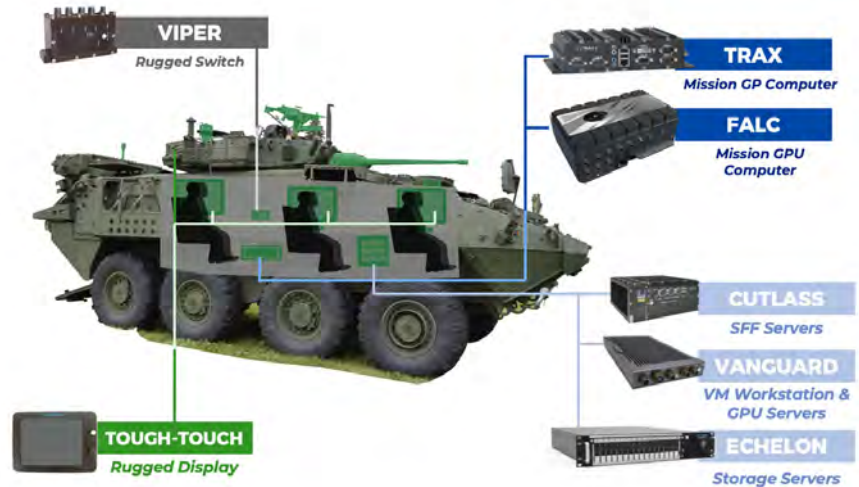## VIPER | L2 to L7 Layer Switch

STRONGHOLD | Rugged Cabinet

Systems and capabilities support

- Anti-Air Warfare
- ASuW & Land Attack
- Avionics Systems
- Command & Control Support
- Data Management Systems
- Driver Support Capabilities
- Electronic Warfare
- Ground-based Air Defence

- Integrated Bridge & Navigation Capabilities
- Internal Communication Capabilities
- Navigation Capabilities
- Ship Infra. System Management
- Mapping Capabilities
- Surveillance & Observation Capabilities
- Underwater Warfare System Capabilities
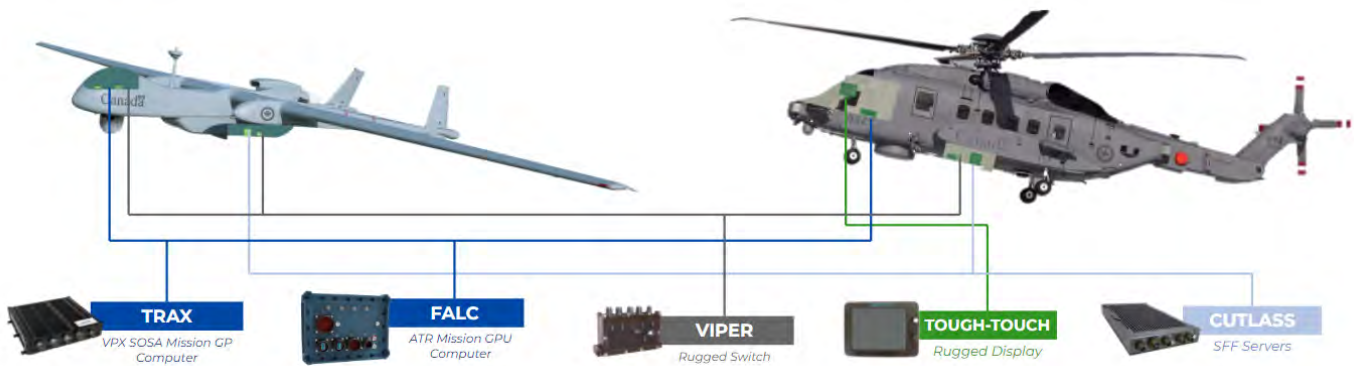- Weapons' Systems

Land solutions

Connected, reliable, low-latency. Top system performance is non-negotiable for technology on armoured land vehicles, which are core to every armed force.
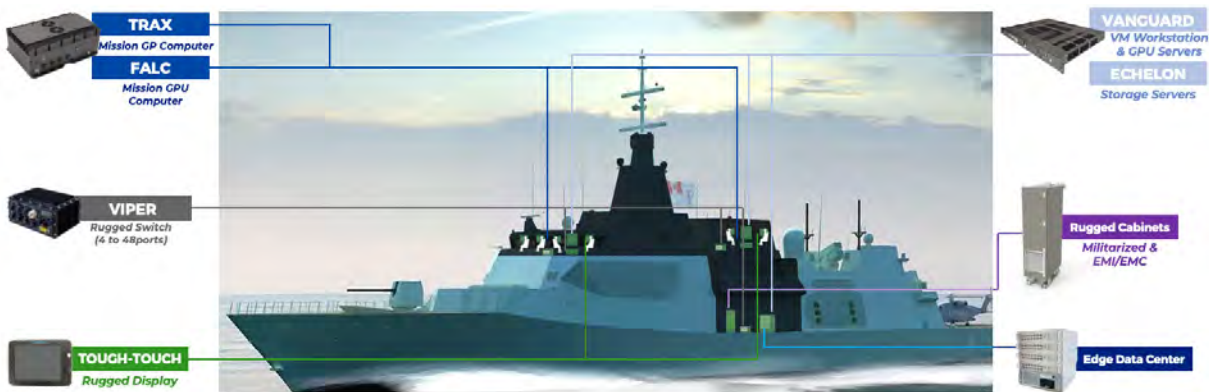
VIPER
Rugged Switch

TRAX
Mission GP Computer

FALC
Mission GPU Computer

CUTLASS
SFF Servers

VANGUARD
VM Workstation & GPU Servers

ECHELON
Storage Servers

TOUGH-TOUCH
Rugged Display

Air solutions

Solutions built with SWaP as the key design principle. Our technology is aviation-ready including avionic data bus technologies (e.g., MIL-STD-1553 and ARINC 429).

TRAX
VPX SOSA Mission GP Computer

FALC
ATR Mission GPU Computer

VIPER
Rugged Switch

TOUGH-TOUCH
Rugged Display

CUTLASS
SFF Servers

Naval solutions

Leading edge, rugged technology is paramount to peak performance and reliability in harsh environmental conditions that exist in navy applications.

TRAX
Mission GP Computer

FALC
Mission GPU Computer

VIPER
Rugged Switch (4 to 48ports)

TOUGH-TOUCH
Rugged Display

VANGUARD
VM Workstation & GPU Servers

ECHELON
Storage Servers

Rugged Cabinets
Militarized & EMI/EMC

Edge Data Center

Learn more about our products, view datasheets, and find ordering information at **octagonsystems.com/downloads**. Scan the QR code to the right to view our site. »

Designed, Tested & Built
OCTAGON TOUGH

OCTAGON® SYSTEMS

What does it mean for a product to be
Designed, Tested & Built
OCTAGON TOUGH

IT MEANS YOU CAN COUNT ON CRITICAL CAPABILITIES...

- Servers with 16+ cores to support virtual machine applications.
- Hot-swappable drive bay and individual drives.
- Highly connective and IoT- enabled devices.
- Next gen GPUs for heavy video processing AI compute at the edge.
- Portable data centres to bring high performance compute to the edge.

...AND RUGGED TESTING.

- Shock and vibe MIL-STD-810
- Pressure MIL-STD-810
- Temperature cycling, thermal shock, & humidity MIL-STD-810
- EMI/EMC MIL-STD-461
- Land, sea, air power equipment MIL-STD-1275, MIL-STD-1399, MIL-STD-704
- Built to NATO:STANAG Standardization Agreement

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