

Dell Pro Max 16 XE with Byos Secure Embedded Edge™

Factory-Integrated Byos Retransmission Device for CSfC Mobile Access Laptops



SOLUTION OVERVIEW

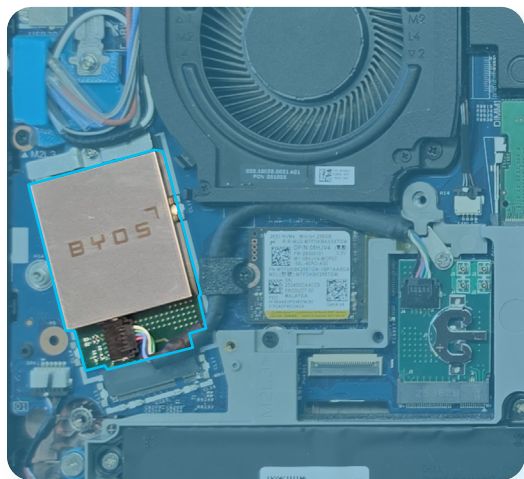
Dell Pro Max 16 XE, integrated with the Byos Secure Embedded Edge™ through Dell's Certified Factory Integration (CFI) process, delivers a secure, deployment-ready laptop for government, federal, and defense organizations.

Customers can order the solution factory integrated, reducing deployment complexity while providing a validated platform that combines Dell's enterprise-class performance and long lifecycle platform with Byos' hardware-enforced Retransmission Device (RD).

Dell Pro Max 16 XE

Featuring the latest Intel® Core™ Ultra processors and NVIDIA RTX PRO™ Blackwell Generation graphics.

Designed to perform intensive workloads and multitasking, the Dell Pro Max 16 XE is purpose-built to power today's enterprise and government applications, while providing the stability, reliability, and lifecycle expected from Dell's XE platforms.



Hardware-Enforced Security at the Edge

Byos Secure Embedded Edge™ is a secure networking card that is embedded inside of Dell Pro Max 16 XE, in the WWAN/WAN port. Connecting to the laptop using an M.2 connector, it draws less than 2 watts of power. It replaces the Laptop's native Wi-Fi module, acting as a **Retransmission Device (RD)**, providing microsegmentation protection across OSI Layers 1-5 by becoming the gateway.

The Byos Secure Embedded Edge™ isolates the connected laptop from the network, enhancing security beyond software solutions by acting as the sole entry and exit point for internet traffic, thus preventing bypass attempts and stealth attacks originating within the endpoint's operating system.

Why the Integrated Solution?

- **Simplified Procurement and Deployment** - Order the Dell Pro Max 16 XE with the Byos pre-installed through Dell's Certified Factory Integration process - ready to deploy from Day 1.
- **Federal Mobility** - Supports secure mobile access for government users operating across black networks, without changing existing user workflows.
- **Government Ready** - Purpose-built for government and defense organizations seeking a factory-integrated platform with a CSfC-aligned Retransmission Device (RD).

Core Features Include:

- **Compliance with the Highest Security Standards** - Fully compliant with NSA's Commercial Solutions for Classified (CSfC) [Mobile Access Capability Package \(MA-CP\) 2.8 - 11.8 Retransmission / 11.9 Hardware Isolation requirements](#)
- **Protocol Break** - Decouple protection from the EUD's OS and deliver network security independent of the cloud.
- **Centralized Management** - Granular control and real-time policy pushing for assets across multi-network environments (ie. remote workers across the world and critical infrastructure devices in the same fleet).
- **Network Attack Protection** - Out of the box protections include: eavesdropping, enumerations, spoofing, lateral movement, etc.
- **Asset Cloaking** - Makes the asset it's protecting undiscoverable and inaccessible in the local network.
- **Captive Portal Protection** - Allows for greater security on captive portal based networks.
- **Advanced Crypto Security** - Key features include encrypted filesystems, secure boot, tamper-resistant, etc.



CSfC
Compliant

Byos Secure Embedded Edge Technical Specifications:

- **Dimensions:** 42mm (Standard) / 52mm (Extended) x 30mm x 4mm
- **Type of Device:** Embeddable System on Module
- **Power Consumption:** 1.0W-2.5W, 3.3V
- **Connector:** M.2
- **OS Requirements:** Any OS compatible with USB-OTG
- **Special Driver Requirements:** None
- **Manufactured in:** USA
- **Certified Supply Chain of Hardware Components:** Yes
- **Certified Chain of Custody of Software:** Yes
- **Software Updates:** Automatic, Over-the-air
- **Laptop Compatibility:** Two variants for maximum compatibility. Any Laptop with a WWAN slot.

Compliance with the Highest Security Standards

FIPS 140-3 Validated

Byos solutions are deployed across U.S. defense environments (Army, Marine Corps, NORAD, Air Force)



Ordering Options:

- **CapEx** - Purchase the hardware with a 1-, 3-, or 5-year software license. Includes all software enhancements released during the license term.
- **OpEx** - Retransmission Device as a Service Available in 1-, 3-, or 5-year terms. Includes:
 - All software enhancements
 - A 10% RMA allowance for breakage
 - Hardware upgrades when new models become available (subject to applicable program terms and availability).

Contact Us

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