The highly versatile Harris RF-7800N-CP Mobile Computing Platform (MCP) delivers a powerful and rugged network router, network switch, server and VoIP call manager in a single low-SWaP device. As the center of the mobile data network, it provides an integrated and versatile communications server for military, public safety, C4ISR and other network-centric communications systems using mission-critical multimedia applications.

The MCP is the best-value single networking device on the market, thanks to its wide set of interfaces (GigE and fast Ethernet, USB, serial, video and CanBus). But it’s also a powerful Intelligence, Surveillance, and Reconnaissance (ISR) device. It can provide simultaneous video encoding, storage, streaming and real-time playback capabilities for up to 10 separate video feeds using the Harris RF-7800N-AP110 Video Server Application. And its removable solid-state hard drive enables reliable, long-duration video storage and increased data security.

Capable of operating in even the most challenging EMI/RFI environments, the MCP’s MIL-STD-810- and MIL-STD-461-compliant design also supports tactical deployments in both wheeled and tracked vehicles. With its high reliability architecture, it delivers high-temperature operation without fans and vehicle mounting without a shock mount—and its low SWaP requirements make it the ideal choice for space-limited vehicles.

Perfect for remote video surveillance, multi-camera security and recording, and real-time situational awareness, the MCP delivers enhanced operational effectiveness to fit multiple mission requirements—all from the safety of a vehicle or secured fixed location.
### Specifications for:
**Harris RF-7800N-CP Mobile Computing Platform (MCP)**

**GENERAL**
- **Processor**: Intel Core 2 Duo 1.86 GHz
- **RAM**: 4GB DDR3
- **Operating System**: Linux
- **Storage**: 160 GB Removable SATA II Solid State Drive is standard, Larger sizes are available
- **Power Input**: 16-40 VDC, MIL-STD-1275
- **Power Consumption**: < 50 W

**SPECIFICATIONS**
- **Size**: 12.67 H x 24.89 W x 28.58 D cm
- **Weight**: Less than 7 kg

**ENVIRONMENTAL**
- **Ingress Protection**: IP 65
- **Operating Temperature**: 0°C to 60°C
- **Environmental**: MIL-STD-810
- **EMI/RFI**: MIL-STD-461

**INTERFACES**
- **Managed Ethernet Ports**: 7x 10/100Base-T
  1x 1000Base-T
- **Serial Ports**: 6x RS-232/RS-485/RS-422
- **USB**: 6x USB 2.0
- **Vetronics**: 1x CANbus (CAN 2.0B)
- **Display**: 1x VGA output
- **Video Inputs**: 4x NTSC/PAL
  Switchable between input
- **Video Compression**: H.264 (MPEG-4 Part 10)

**OPTIONS**
- **Video Management**: Server/Client Application

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**LEARN MORE**

To learn more about the Harris RF-7800N-CP Mobile Computing Platform (MCP) and its advanced features, contact Harris at [RFComm@harris.com](mailto:RFComm@harris.com).

Harris is dedicated to developing best-in-class assured communications® products, systems and services.

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