

3U VPX Ground Control System



Key Features

- 3U VPX ground control system that is low risk, affordable and proven in the field
- Small in size and light weight
- Flexible 3U VPX backplane that is interchangeable between different ground control applications and allows for future upgrade capabilities
- Two fully programmable Controller Area Network (CAN) bus
- VICTORY compliant Gigabit Ethernet Switch with 12 GbE ports
- Supports legacy MIL-STD-1553 bridging to VICTORY
- Allows for local/network attached data storage
- PMC sites enables growth for new I/O solutions
- Wind River® VxWorks® BSP

Applications

- Fire control
- Weapons control
- Vehicle control/management
- Turret control
- Missile control
- Mission computing

Overview

The Curtiss-Wright Defense Solutions 3U VPX™ Ground Control System (GCS) is a flexible and rugged processing system suitable for ground applications such as fire control, turret control, weapons control and vehicle control. The 3U VPX GCS is an integrated processing and networking system, providing a complete hardware and software solution.

Packaged in a compact 3U VPX form factor and equipped with unprecedented processing power, the GCS is an affordable low-risk computing system, ideal for space constrained applications.

The 3U VPX Ground Control System comprises of:

- Control processor
- VICTORY compliant Gigabit Ethernet Switch
- Power supply
- Dedicated XMC for hosting VICTORY Services

This product is provisioned for VICTORY compliant Gigabit Ethernet switching and is built to allow for future upgrade capabilities such as support for local/network attached data storage and PMC sites for new I/O solutions. The 3U VPX GCS also supports legacy MIL-STD-1553 bridging to VICTORY.

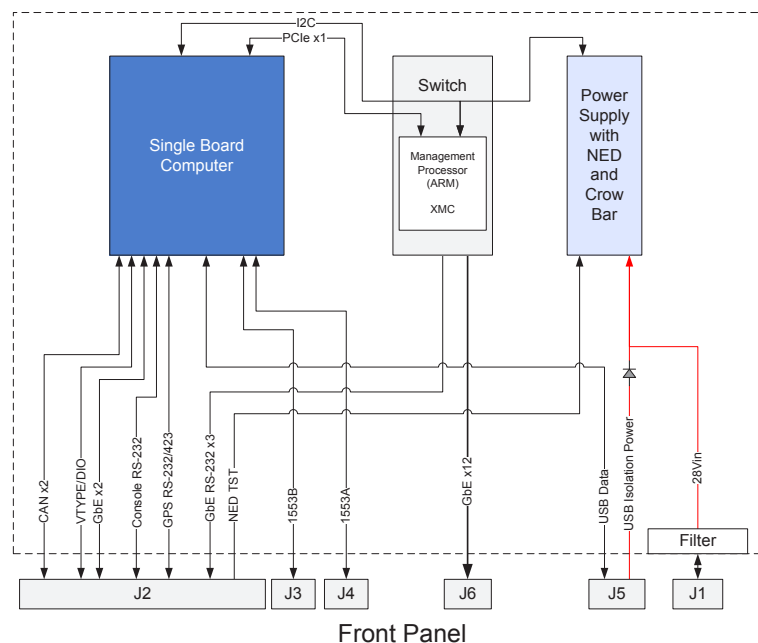


Figure 1: MPMC-933x block diagram

Specifications

- Dimensions (L x W x H): 10.77 x 3.97 x 7.97"
(273.56 x 100.84 x 202.44 mm)
- Weight: 12.9 lb (5.85 kg)
- Chassis assembly: 9.0 lb (4.08 kg)
- SBC: 1.3 lb (0.59 kg)
- Switch: 1.4 lb (0.63 kg)
- Power supply: 1.2 lb (0.54 kg)

Ordering Information

Contact your local sales representative for additional information.