

### IMUX G2 Chassis, Rugged and Commercial G2-CHS-101-x01

#### Features

- 4U 19-inch EIA, Rack-mountable
- 10/100/1000 Ethernet Equipped
- Available 19-inch Flip-up LCD Monitor and Keyboard
- Removable Disks
- Optional Integrated DVD-R/W/CD-R/W Drive
- Optional Rear Panel BNC Bulkhead Connectors
- 4 to 10 Available Slots with Optional Expansion Chassis



#### Introduction

The G2 IMUX Chassis are available in both commercial and ruggedized versions to support both airborne and laboratory environments.

##### Commercial

The commercial chassis provides the most cost effective solution, which allows the system integrator the flexibility to wire the system directly using industry standard connectors. Options include 1 to 12 disk arrays along with a read and write CD/DVD unit for file transfer or system updating.

##### Rugged

To address the requirements for more rugged environments, the G2 IMUX chassis is also available in a ruggedized package. Ruggedization is provided through the use of card hold-downs a redundant power supply for shock and vibration, as well as shock isolators for the media. The rugged chassis also provides native connectorization via BNCs, D-sub, and 1553-style connectors.

##### Audio

Each chassis comes standard with an embedded audio card to provide "audio edge track" like performance for a Chapter 10 recorder. The audio is formatted compliant to IRIG-106 Chapter 10, Analog Data.

##### Expansion Chassis

The optional expansion chassis is a companion 4U chassis that provides an additional 12 slots of support. The chassis are connected via dual-bus architecture to support high data rates as well as microsecond time accuracy.

##### Media

G2 supports sATA, pATA, SCSI, and Fiber Channel media. Each is individually configurable based on mission requirements.

<b>Inputs</b>	Signals	PCM, Analog, MIL-STD-1553, NTSC and PAL video, ARINC-429, UART, and Ethernet to 1000-Base-T
	Network	Ethernet, 1000-Base-T
	Slots	Commercial: 4 slots; Rugged: 10 slots
	Power	115-230 VAC, 47-63 Hertz
	Audio	Standard LEFT and RIGHT audio channels Formatted as IRIG 106 Chapter 10 Analog
<b>Status</b>	LEDs	Power, Archive, and System
<b>Environmental</b>	Ambient Temperature	Operational: +5 °C to +40 °C Storage: -20 °C to +85 °C
	Altitude	Operational: -200 to +10,000 feet Storage: -200 to +40,000 feet
	Relative Humidity (non-condensing)	Operational: 5 to 90% Storage: 0 to 95%
	Air Flow	Approximately 50 CFM
	Weight	45 pounds (typical)
	Vibration (rugged)	Complies with testing in accordance with MIL-STD-810D, Method 514.3, Cat. 1, 2, 8
	Shock (rugged)	Complies with testing in accordance with MIL-STD-810D, Method 516.3, Procedure V
<b>Safety Rugged Only</b>	Grounding	AC ground to rear panel pressed-in stud (central chassis ground)
		Backplane single-point ground to main chassis ground
		External ground point provided on rear panel
		Aluminum is clear irradiated per MIL-C-5541, Class 1A (conductive)
Safety Agency	UL, CSA, TUV, VDE on power supply	
Approvals	UL, CSA, VDE on power entry module and circuit breaker UL style 1028/CSA type TEW wire on AC inputs	
<b>Ordering Codes</b>	G2-CHS-X01-C01	G2 Chassis/CPU, Commercial, 4 Slots (requires STD or PBO)
	G2-CHS-1XX-C01	G2 Chassis, Commercial, 4 Slots - Standard Config.
	G2-CHS-2XX-C01	G2 Chassis/CPU, Commercial, 4 Slots - PBO Config.
	G2-CHS-X01-E01	G2 Expansion Chassis, 12 Slots (req. STD or PBO Config.)
	G2-CHS-1XX-E01	G2 Expansion Chassis, 12 Slots - Standard Config.
	G2-CHS-2XX-C01	G2 Expansion Chassis, 12 Slots - PBO Config.
	G2-CHS-X01-R01	G2 Chassis/CPU, Rugged, 8 Slots (requires STD or PBO)
	G2-CHS-X02-R01	G2 Chassis/CPU, Advanced, Rugged, 8 Slots (requires STD or PBO)
	G2-CHS-1XX-R01	G2 Chassis/CPU, Rugged, 8 Slots - Standard Config.
	G2-CHS-2XX-R01	G2 Chassis/CPU, Rugged, 8 Slots - PBO Config.

*Specifications change w/o notice. Contact the factory for current information.*