

System 10000

Rack Mount Chassis and Power Supply



Satcom



Features

- Fits all System 10000 modules
- Hot swappable redundant power supplies
- 8 Slots available
- Redundant power supply option
- Universal AC Power 120 / 240 VAC, 50 / 60 Hz

System 10000 Rack Mount Chassis & Power Supply

This chassis accepts a universal AC input power supply and a diode Or'ed DC output. Each chassis supports up to eight plug-in modules and two power supplies. The eight module plug-in slots report the discrete alarm and monitoring outputs from its associated module, the power supply status is reported via a form "C" relay.

The System 10000 is a completely modular hot-swappable insert card-based platform. The 19" rack-mount enclosure Model 10990A, can support up to 8 insert cards, The chassis utilizes the 10901G universal DC power supply in either a single or a dual-redundant, hot-swappable configuration. The System 10000 family's existing wide range of RF, switching and data transport products result in an extremely capable, yet conveniently flexible, signal transport system.

Ordering Information

| | |
|-----------|--|
| 10990A | Chassis, Rack Mount, 8 Slot, 3RU |
| 10901G-NA | Power Supply, 120 / 240 vac, (North American Power Cord) |
| 10901G-UK | Power Supply, 120 / 240 vac, (UK Power Cord) |
| 10901G-EU | Power Supply, 120 / 240 vac, (European Power Cord) |

Mechanical Specifications

| Chassis | Min | Typ. | Max | Units |
|------------|-----|-----------------|-----|--------|
| Dimensions | -- | 19" x 5.25 x 12 | -- | inches |
| Weight | -- | 2.0 | -- | lbs |

| Power Supply | Min | Typ. | Max | Units |
|-----------------------|-----|------|-----|-------|
| AC Power | 84 | -- | 264 | vac |
| Frequency | 50 | -- | 60 | Hz |
| Wattage | -- | 60 | -- | Watts |
| Operating Temperature | -10 | -- | 50 | deg C |
| Weight | -- | 2.0 | -- | lbs |
| Fuse Rating | -- | 5.0 | -- | amps |
| +5 vdc | -- | -- | 6.0 | amps |
| +15 vdc | -- | -- | 2.0 | amps |
| -15 vdc | -- | -- | 0.8 | amps |

Environmental Characteristics

| Parameter | Min | Typ. | Max | Units |
|---------------------------|-----|------|-----|-------|
| Operating Temperature | -10 | -- | +55 | deg C |
| Storage Temperature | -45 | -- | +85 | deg C |
| Humidity - Non Condensing | -- | 95 | -- | % |

Chassis Interface

| Backplane Connector | Mating Connector (Supplied) | Mating Connector Pins (Not Supplied) |
|---------------------|--------------------------------|---|
| P11 - P18 | 5148-025 | 5231-001 |
| P19 | 5148-004 | 5231-001 |
| P20 | 5148-026 | 5231-004 |

P11 - P18 (Unit Interface)

| Pin Plug-in | Pin Chassis | Pin Connector | Function |
|----------------|----------------|------------------|-------------------------|
| 6 | 1 | 5 | See Plug-in Unit Manual |
| 7 | 2 | 4 | See Plug-in Unit Manual |
| 8 | 3 | 3 | See Plug-in Unit Manual |
| 9 | 4 | 2 | See Plug-in Unit Manual |
| | 5 | 1 | No Connection |

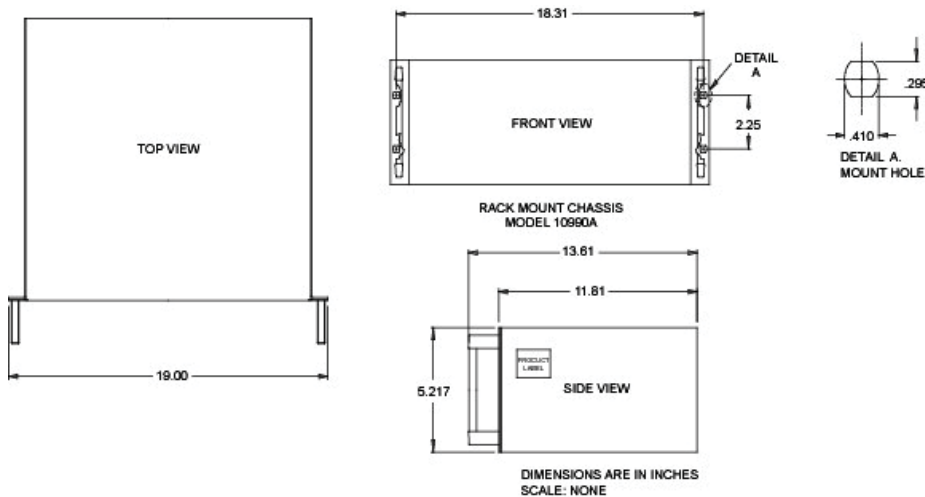
P19 (Chassis Alarm)

| Pin Chassis | Pin Connector | Function |
|----------------|------------------|--------------------------------------|
| 1 | 8 | No Connection |
| 2 | 7 | No Connection |
| 3 | 6 | Auxiliary Power Supply Fail (NO) |
| 4 | 5 | Auxiliary Power Supply Fail (Common) |
| 5 | 4 | Auxiliary Power Supply Fail (NC) |
| 6 | 3 | Main Power Supply Fail (Common) |
| 7 | 2 | Main Power Supply Fail (NC) |
| 8 | 1 | Main Power Supply Fail (NO) |

P20 (Power Supply Monitor)

| Pin | Function |
|-----|----------|
| 1 | +5 vdc |
| 2 | +15 vdc |
| 3 | -15 vdc |
| 4 | Ground |

Mechanical Outline



Rev: November 16, 2010