



Sat-Light Platinum Series

PL7010 Chassis Kit & PL 7011 Dual Power Supply

Features & Benefits

Chassis Kit

- ❖ 3RU 19" Rack mount chassis with 12 "hot swap" card capacity
- ❖ Supports SNMP-based monitor & control
- ❖ Legacy dry contact and open collector discrete alarms and RSSI/PDI monitoring

❖ Power Supply

- ❖ Dual redundant
- ❖ Wide voltage AC input Range 100-240VAC
- ❖ High power 15A, 180W per PS
- ❖ Embedded M&C microprocessor
- ❖ No Fan, high MTBF
- ❖ Hot Swappable



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Product Description

Global Foxcom's PL7010 Platinum Chassis is a 3RU, 19" chassis that can hold up to twelve Sat-Light/Platinum cards, an M&C controller [PL700] and two power supplies [PL7011]. The chassis includes an innovative backplane with a variety of expansion connectors enabling Global Foxcom's Sat-Light/Platinum M&C features (DigiRF) while providing legacy dry contact closures, open collector discrete optical and RF alarms and legacy RSSI/PDI discrete monitoring for customers upgrading from legacy Foxcom products.

The PL7010C chassis kit includes two matching power supplies (PL7011) and an advanced M&C controller (PL700).

Global Foxcom's PL7011 Dual Power Supply has a built-in AC voltage auto-sensing circuit and supports an AC voltage input range from 100 to 240VAC, enabling the use of separate main power sources for additional redundancy.

A single **PL7011** Power Supply provides up to 180 Watts of power, double the maximum power capacity required by a full chassis. Two **PL7011** power supplies can be installed in one chassis, to share the load and to provide redundant power and 'hot swap' capabilities.

The embedded SCP microcontroller enables the power supply to support the latest remote monitoring features via the **PL700** MCP for parameters such as:

- AC alarm
- DC alarm
- Temperature alarm

In addition, the DC voltage output and the power supply's temperature can be monitored via the MCP. Dry contact enclosure power supply alarm is available via the chassis system alarm connector.

The **PL7011** contains a built-in "SCP-brand" microcontroller, enabling the PS to be managed and controlled by the external Platinum chassis.

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PL7010 Sat-Light Platinum Chassis Specifications

Card Support			
Platinum active / passive cards	Up to 12 cards	slots 1 to 12	
MCP card	PL700 MCP with advanced M&C features	slot 13	
Power supplies	2 PL7011 power supplies	slots 14 and 15	
Connector Support		Connector Type	
RF alarm	DB25	J20 Open collector type J22 Dry contact	slots 1–12
Optical alarm	DB25	J23 Dry contact slots	slots 1–12
System alarms	DB9	J16 Open collector, dry contact system alarms	
Optical monitoring	DB25	J21 Discrete signal monitoring	slots 1–12
RF monitoring	DB25	J21 Discrete signal monitoring	slots 1–12
RF switch control	DB9	J17 RF switch control	
EDFA control	DB9	J18 EDFA auxiliary control	
Electrical Specifications		Typical	Minimum
Supply voltage (VDC)		12	
Supply current ¹ (Amps)			Up to 9A
EML rating	FCC part 15 Class B, CE Mark		
Physical/Environmental Specifications			
Operating temperature range (C°)		-10	+55
Storage temperature range (C°)		-45	+85
Relative Humidity	95% non-condensing		
Altitude (ft [Km])	10,000 ft. [3.08 Km] with standard adiabatic de-rating of 2°C.1000ft. [0.3 Km], operating; 40,000 ft. [12.2 Km] non-operating		
Dimensions	19" 3RU		
Weight (lbs [Kg]) (including Chassis + 2 PS + 1 MCP)	11.51 lbs / 5.22 kg		
Shock and vibration	Designed for normal transportation environment per section 514.4 MIL-STD-810_E. Designed to withstand 20G at 11ms [½ sine pulse] in non-operating configuration		

^{1.} 12 transmitters with 300mA LNB powering.
All specifications are subject to change without notice.

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PL7011 Sat-Light Platinum Power Supply Specifications

Power Supply Support			
Platform	Sat-Light Platinum		
Protection	Temperature	Over-voltage	Over-current
Power sharing	Active current share with "hot swap"		
Alarms & Monitoring			
PS General Alarm ¹			
Temperature alarm			
AC alarm	Provided through the PL700 MCP controller [embedded GUI or MIB]		
DC alarm			
VDC monitoring			
Electrical Specifications	Typical	Minimum	Maximum
Prime power input ² (VAC)	-100		240
Output voltage (VDC)	12		
Output current (Amps)	15		
EMI rating	FCC part 15 Class B, CE Mark		
Physical/Environmental Specifications			
Operating temperature range (C°)		-10	+55
Storage temperature range (C°)		-45	+85
Relative Humidity	95% non-condensing		
Dimensions (1PS)	Single Platinum PS slot / PS		
Weight (lbs [Kg])	2.2 lbs / 1Kg		
Shock and vibration	Designed for normal transportation environment per section 514.4 MIL-STD-810_E. Designed to withstand 20G at 11ms [½ sine pulse] in non-operating configuration		

¹ Provided through the front panel Alarm LED. Additional dry contact enclosure and open collector alarms are provided through the J16 alarm connector.

² 50/60 Hz

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