

PL7010 Sat-Light/Platinum Chassis

Features & Benefits:

- ❖ 3RU 19" Rack mount chassis with 12 'hot swap' card capacity
- ❖ Dedicated controller slot
- ❖ Dual redundant power supply
- ❖ Supports the latest PL700 Microprocessor features
- ❖ Legacy dry and open collector discrete alarms and RSSI/PDI discrete monitoring



Product Description

The **PL7010** chassis is a standard 19", 3RU chassis, that can hold up to twelve Sat-Light/Platinum cards, the new M&C controller [PL700] and two power supplies [PL7011]. The chassis includes an innovative backplane enabling Foxcom's Sat-Light/Platinum M&C features (DigiRF) and , at the same times, provides legacy dry contact closures, open collector discrete optical and RF alarms and legacy RSSI/PDI discrete monitoring for customers upgrading from a Sat-Light system. In addition, the chassis comes with a variety of expansion connectors for feautres such as EDFA control which will be availalbe in future.

The chassis is available either as a stand-alone unit or as part of the **PL7010C chassis kit** that includes two matching power supplies (PL7011) and an advanced M&C controller (PL700).

Each power supply has an AC input, allowing the use of separate mains power sources for additional redundancy.

Specifications

Sat-Light/Platinum Chassis: PL7010

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				
Electrical Specifications	Units	Typical	Minimum	Maximum
Supply voltage	VDC	12		
Supply current ¹	Amps			up to 9A
EMI rating		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		

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Altitude	ft [Km]	10,000 ft. [3.08 Km] with standard adiabatic derating of 2°C. 1000ft. [0.3 Km], operating; 40,000 ft. [12.2 Km] non-operating
Dimensions [D x W x H]	in. [cm]	19 x 5.1 x 14 [48.3 x 13 x 35.6]
Weight	lbs [Kg]	5.95 [2.7]
Shock and vibration		Designed for normal transportation environment per section 514.4 MIL-STD-810_E. Designed to withstand 20G at 11ms [$\frac{1}{2}$ sine pulse] in non-operating configuration

1. 12 transmitters with 300mA LNB powering.

All specifications are subject to change without notice.

Ordering Information

The **PL7010** Sat-Light/Platinum Chassis is available either as a stand-alone unit or as part of the **PL7010C Chassis Kit** that includes two matching power supplies (**PL7011**) and the **PL700** Microprocessor Card.

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