

Model Number: PRN-G1S-LY2-010

Piranha LNB DC Power Inserter Module Selectable 13/18/24VDC

Typical applications:

- Teleports & Earth Stations
- Satellite Operations
- Government & Defence applications
- Telemetry, Tracking & Command
 - High Resilience applications

LNB DC power inserter module (Bias-T) to fit Genus 1U chassis series. Provides selectable 13/18/24VDC and custom selectable voltage to LNB or similar and RF power in monitoring. Operating frequency 3-30MHz. The chassis has the capacity for up to 16 hot-swap modules, (dependent upon configuration).

DC Inserter Module



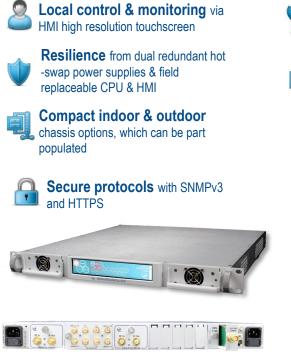
DC Inserter Module

Compact form factor allowing multiple modules to be housed in the Genus chassis. Each module occupies 1 slot in the chassis.



Hot Swap & replaceable RF DC Inserter module

Chassis Options --



Indoor Chassis



Flexible Module Configurations choose from a mixture of DC inserter modules..



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Field replaceable Internal 10MHz reference source and external reference inject port with auto detection (optional)



Outdoor Unit



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		PRN LNB DC Po	wer Inserter Module - RF F	Parameters	
Model Numbers		PRN-G1S-LY2-010			
Size		1 slot wide			
Capacity		Single path			
Frequency Range		3-30 MHz			
RF Connectors		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Insertion Loss (dB)		<1.5dB across full band			
Flatness (dB)	Full band	±0.40 dB			
Return Loss (dB)	Тур.	17 dB			
	Min.	14 dB			
Isolation		80 dB min between any two modules			
LNB Voltage		Off. 13V. 18V. 24V. @ port 1. ± 5% typ. Custom 13V to 24V in 1V steps.			
LNB Load		Up to 500mA Maximum. Overcurrent protection: Current limited to 1A nominal. Trip and restart Trip and restart.			
Input RF Power		+20dBm. Absolute total maximum			
Module DC Power		12 VDC. Module hot swappable			
DC Consumption		15W Full Load.(24V @ 0.5A) 3W No Load. Max consumption at a steady state.			
RF Power Detect		Range –40dBm to –10dBm total power across band. For indication only			
User Alarms		Via Chassis Ethernet/HMI/Web Interface (upper and lower limits user settable) LNB Current RF Power In			
Module Weight		0.18kg			
Module Dimensions		175mm x 45mm x 20mm maximum. PRN-G1x chassis or Genus 1U series mountable.			
Module Finish		Machined Aluminium			
MTBF		TBC			
Spec Version		1.0			

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy. Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Note 3: All specs are for 50 Ohm connectors unless detailed otherwise.

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