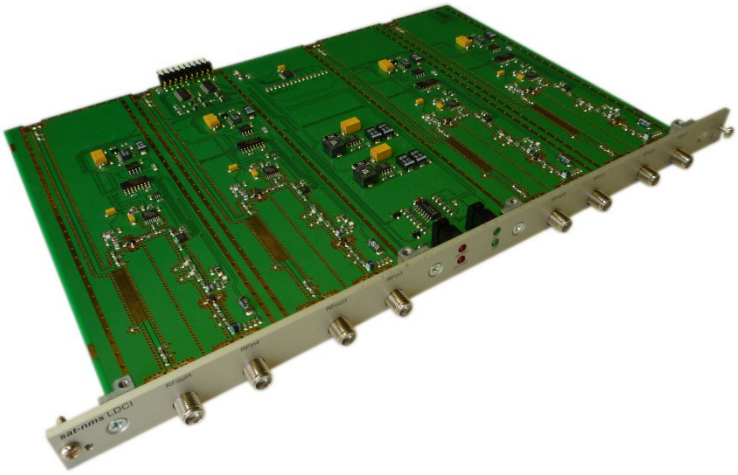
sat-nms LDCI - Lineamplifier with DC Inserter and integrated Input Level Monitoring

The ***sat-nms*** LDCI Line amplifier with DC Inserter and integrated Input Level Monitoring is a highly sophisticated unit designed for professional satellite receive applications. It is available as a scalable system with up to 5 hot-pluggable modules integrated in the 2RU 19" rack-mount chassis ***sat-nms*** MPC.

Each module contains four adjustable RF Amplifiers with integrated DC power insertion and monitoring of the L-Band input signal power. An extensive monitoring functionality like LNB supply current with min/max current threshold is implemented. The remote MNC interface is via web-browser, SNMP, HTTP GET functions and RS232 interface as in all other ***sat-nms*** products. The ***sat-nms*** MPC 19" rack-mount chassis also provides an LCD display and keyboard for local control as an option.



The scalable system is able to support even a single antenna sub-system with 4 LNCs for a small application to a reasonable price, but is also able to provide power to an unlimited number of antennas with multiple ***sat-nms*** LDCI / MPC chassis. The only restriction is the supply current to the LNBs of max. 5.5 Amps. in total per standard chassis. But the ***sat-nms*** LDCI can also be delivered in other configurations with the ability to supply a higher total current.

The main applications of the ***sat-nms*** LDCI are multiple LNB DC power insertion within a compact frame, where size is a critical issue, and additional DC power insertion in front of an L-Band Matrix. Due to the scalability the ***sat-nms*** LDCI is also the unit of choice in teleports with a large number of receive antennas.

Key Features

- LNB DC Power Insertion and Monitoring
- Input Power Monitoring
- 19" 2RU Unit Compact Design
- Redundant Power Supplies
- Scalable Design with hot-swap Modules
- TCP/IP, SNMP, sat-nms MNC available

Applications

- Satellite Ground Stations and Teleports
- Cable Head-end Stations

Contact Information

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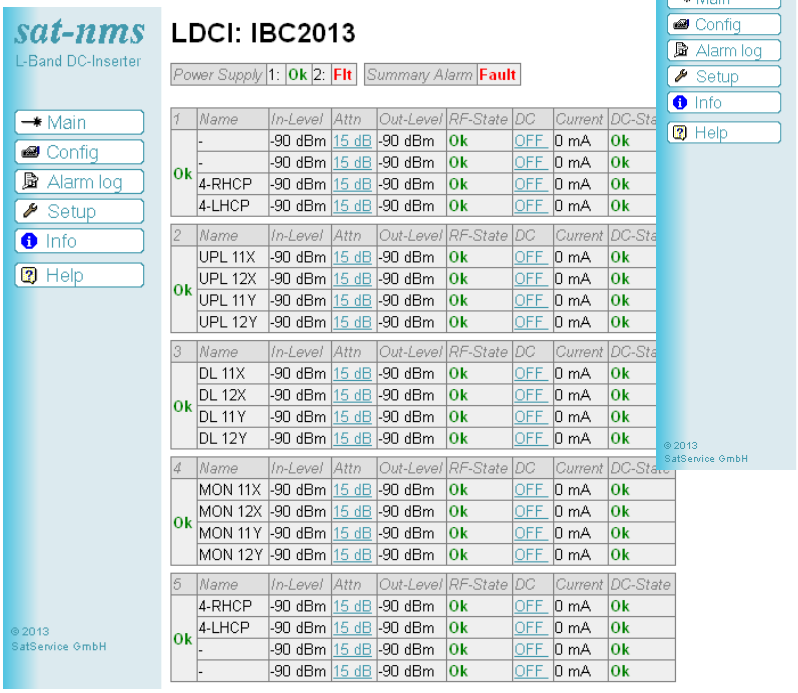
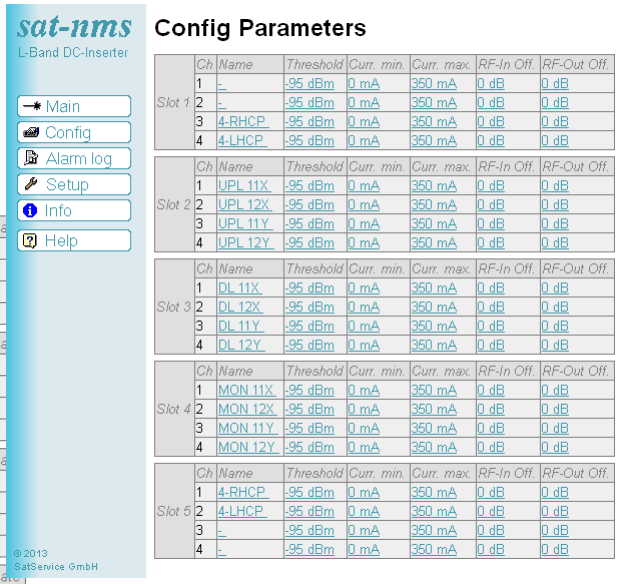
Technical Specification

RF Specification

Frequency Range	950 to 2150MHz
L-Band Input Connectors	SMA female 50Ohm
L-Band Output Connector	SMA female 50Ohm
Input and Output Return Loss	> 17dB
Input Noise Figure Total Optical Link	< 10dB with 15dB Attenuator Setting
Damage Input Level	+13dBm
Gain Flatness	+/-1.5 dB, +/-0.25dB in any 40MHz
Gain of LDCI with Attenuator Setting of 15dB*	0dB
Attenuation (adjustable via local and remote interface)*	0 to 31dB in 1dB Steps
Intermodulation at -13dBm Input Signal Level each	<-40 dBc
DC-output at L-Band input connector	15+/-1V



Webinterface Main Status page



Webinterface Configuration page