



MICROWAVE COMPONENT 1:1 LNB REDUNDANT SWITCH SYSTEM

APPLICATIONS

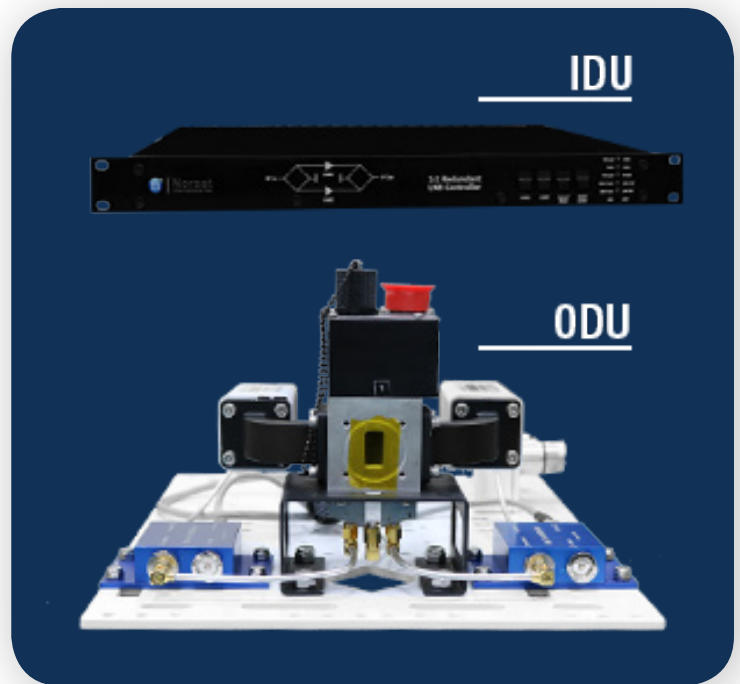
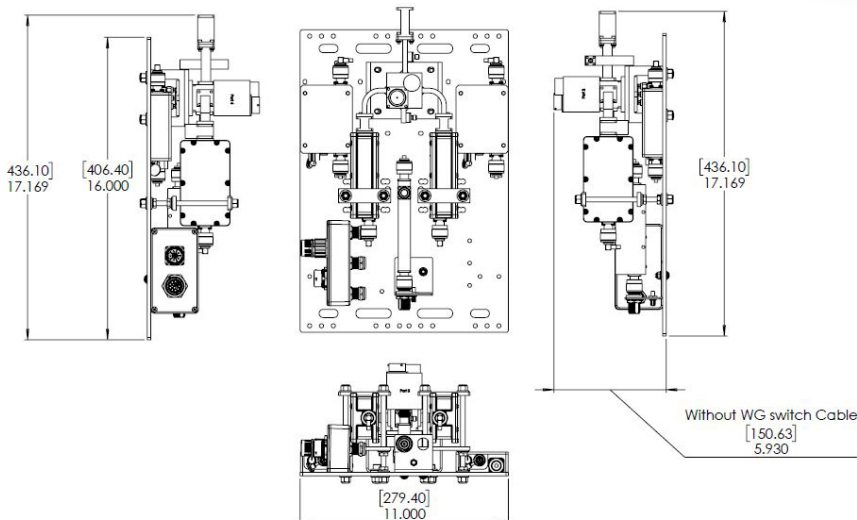
Norsat's Redundant LNB Switch Systems automatically detect signal faults and switch to an alternate LNB or LNA - providing maximum satellite service availability. Receive-side signal continuity is maintained via continuous power detection, and upon detecting a fault, signal is automatically switched to the reserve LNB.

Available for either 1:1 or 1:2 redundancy applications, and in either IDU or headless configurations, Norsat LNB/LNA Redundant Switch solutions combine the reliability and performance pedigree of down conversion products with the ultimate system safeguarding solution for remote and challenging satellite terminal installations.

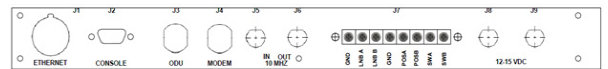
FEATURE HIGHLIGHTS

- C, X, Ku, and Ka-band Systems available
- Automatically detect LNB/LNA failure via DC current
- Fully automatic or manually-commanded redundancy
- 1RU - 19" IDU with easy-to-read LED status indicators
- M&C interface, with optional remote/SNMP available

MECHANICAL DIAGRAM



Front Panel



Back Panel



TYPICAL SPECIFICATIONS

Receive Chain Redundancy	LNB: X, C, Ku, or Ka Band LNA: X, C, Ku, or Ka Band BDC: X, C, Ku, or Ka Band Internal or External reference Fault indications
Redundancy Configurations	Receive chain 1:1 Receive chain 1:2 Receive chain Dual 1:1 Receive chain 1 of 2 BDCs Receive chain 1 of 3 BDCs Receive chain 1 or 2 of 4 BDCs Transmit chain 1:1 Transmit chain 1:2 Transmit chain Dual 1:1
Environmental	
IDU Operating Temperature:	0 to +55 degrees Celsius
ODU Operating Temperature:	Per LNB/LNA specifications
Relative Humidity:	Up to 95% non-condensing
Mechanical	
IDU	
Dimensions:	19" x 1.75" x 20" max
Connectors (rear panel)	
RF:	SMA, N or F female
L-band:	SMA, N or F female
10MHz:	BNC
DC Input:	BNC
ODU	
Overall Dimensions:	17" x 11" x 6" typical
Connectors:	N type for RF Barrier Strip for DC signalling
Options:	ODU connections to customer spec
IFL Length:	30m standard Optional length available



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