Genus Compact Outdoor Unit for 1U Modules

Flexible & resilient RF signal management

The Genus compact outdoor unit (ODU) is a weatherproof (IP65 rated) enclosure with a modular design which can house any combination of compatible Genus modules within the unit, supplying operators with a flexible and scalable solution, that reduces spare parts and space requirements.

The ODU chassis houses up to 8 RF modules including Amplifiers, BUC/LNB Power Supply's, Frequency Converters, Matrices, RF over Fibre and Test Loop Translators, which can be mixed. It has additional space for a 1+1 redundancy switch module.

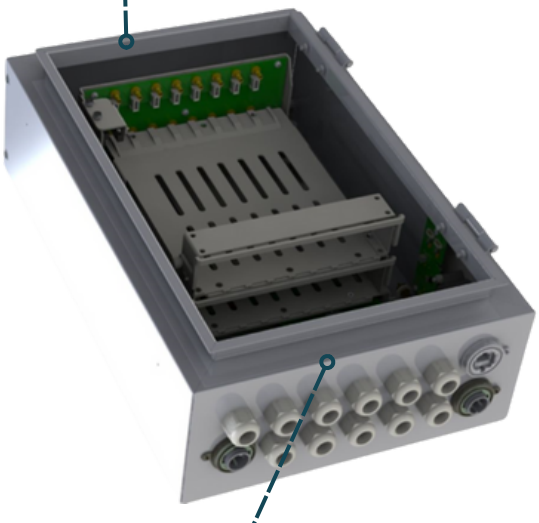
The RF modules are field-serviceable and can be inserted whilst the ODU is in service, giving excellent levels of flexibility and resilience. With additional reliability from field serviceable RF modules and CPU.

ETL can offer AC to DC outdoor power supplies. Please enquire with ETL if required.

Compact & flexible
ODU chassis holding up to 8 RF modules, which can be mixed.

Secure Communications
with SNMPv3, HTTPS

Remote control & monitoring
via RJ45 Ethernet via RJ45, 10BaseT/100BaseTx, ETL TCP/IP protocol



Resillience
from hot-swap & field serviceable RF modules & CPU

Flexible Signal Distribution
Frequency converters, Redundancy Switches (N+1), RF Over Fibre, Matrices and LNB Power Supply Modules are available.

General Specifications		
Capacity		Up to 8 RF modules **Note:** Actual number dependent upon module type fitted. 1+1 redundancy configurations, please enquire.
Dimensions		450mm high x 300mm wide x 150mm
Weight		<10 kg
Colour		RAL9003 White (Semi-Matte)
AC Consumption		100W (max consumption at steady state)
DC Input		Dual 12VDC power inputs. (ETL can offer AC to DC outdoor power supplies. Please enquire with ETL if required)
10 MHz Distribution		If required please see datasheet for model GNS-393-ODU
Tech Spec Version		0.3
Reliability		
MTTR		15 minutes to replace. Assumes spares at hand. Applies to LRUs only and assumed in house stock.
MTBF	Chassis	> 250 000
	CPU	> 250 000
Field serviceable components		RF modules, CPU & internal 10MHz reference source
Environmental		
Operating temperature		-25˚C to 60˚C (Upper temperature may be derated dependant on module selection and loading. Max air ambient 55˚C. Solar spot heating temperatures up to 60˚C).
Location		Outdoor or Indoor use, IP65
Storage temperature		-40˚C to +80˚C (Not Powered)
Humidity		20% - 100% non-condensing, Relative Humidity
Altitude	Operational	10,000 ft AMSL (Above Mean Sea Level)
	Storage	30,000 ft AMSL (Above Mean Sea Level)
Control & Monitoring		
Remote Control & Monitoring		Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP protocol SNMPv3 & HTTPS Built-in Web Server

RF Module Options						
Amplifier	BUC/LNB Power Supply	Frequency Converter	Matrices	Redundancy Switch	RF Over Fibre	Test Loop Translator (TLT)

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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