

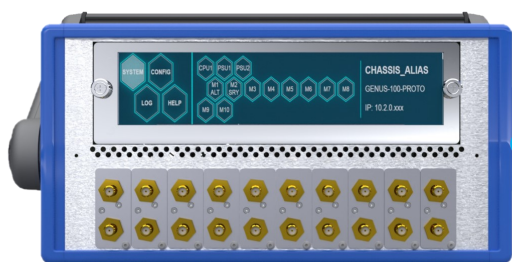
Genus Benchtop Instrumentation Chassis

The Genus based benchtop instrumentation chassis has a modular design which can house any combination of compatible modules within the unit. Supplying users with a flexible and scalable solution for bench top testing applications, that reduces spare parts and rack space requirements. The chassis accommodates all Genus 1U modules, with up to 10 module slots and is AC powered.

The RF modules are hot-swap (or field replaceable) and can be inserted whilst the chassis is in service, giving excellent levels of flexibility and resilience. The chassis comes fitted with a user replaceable HMI (optional) & CPU, with the option of user replaceable internal/ external 10MHz reference source also available.

Typical applications:

- Satellite communications bench test applications
- Scientific research
- Test & measurement
- Signal path testing
- Modular testing requirements
- A variety of modules available



Compact & flexible Compact chassis holding up to 10 RF modules, which can be mixed.



Local control & monitoring via front panel capacitive HMI touchscreen.

10MHz reference source Optional user replaceable internal and external 10MHz reference & distribution source. (refer to separate datasheet)



Remote control & monitoring via RJ45 Ethernet via RJ45, 10BaseT/100BaseTx, ETL TCP/IP protocol, SNMPv3 & Web Browser Interface



Secure Communications with SNMPv3, HTTPS



Flexible Signal Distribution and Test Modules Frequency Converters, TLTs, Noise Generators, Redundancy Switches (N+1), RF Over Fibre, Splitter & Combiners, Matrices and Power Supply modules are available.



| General Specifications | |
|----------------------------------|---|
| AC Input | 85-264 Vac 50/60Hz |
| AC Consumption | TBC |
| Redundancy & Hot Swap | |
| PSU Redundancy | N/A |
| CPU Redundancy | N/A |
| Control & Monitoring | |
| Local Control & Monitoring | HMI (Capacitive touch screen) |
| Remote Control & Monitoring | Ethernet via RJ45, 10BaseT/100BaseTx ETL TCP/IP protocol SNMP v3 Built-in Web Server (HTTPS) |
| Internal 10MHz Distribution | Optional |
| Reliability | |
| MTTR | 15 minutes |
| MTBF | Chassis > 250 000 CPU > 250 000 |
| Environmental Conditions | |
| Operating Temperature | -20 to +50°C |
| Storage Temperature | -40°C to +80°C |
| Location | Indoor |
| Humidity | 20 to 90% non-condensing |
| Altitude | 10,000ft/3000m AMSL |
| Physical Dimensions & Parameters | |
| Capacity | 10 module slots available |
| Weight | < 18 kg |
| Dimensions | TBC |
| Front Panel Colour | TBC |

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.

