

## Command Gateway

The Command Gateway is the computer appliance at the heart of the **NetworkAdvantage™** managed satellite communications system.

The Command Gateway computer controls satellite bandwidth allocation and the system database software. In addition to a powerful Central Processing Unit, the Command Gateway includes a hard drive (in RAID array) for system and satellite data storage, and processes commands received by the graphical user interface computer and the **NetworkAdvantage™** Node Controller (Hub).

Typically one Command Gateway is required per network.



The **NetworkAdvantage™** Command Gateway allocates bandwidth to meet link requests dynamically from the assigned 'bandwidth pool'. When a link is requested, bandwidth and specific frequencies are determined by the bandwidth manager in real-time, according to the bandwidth allocation algorithm chosen and available bandwidth. At the end of the transmission schedule, bandwidth is returned to the available pool, ready for new links.

### Technical Specifications

- One CG 5300 is required for the central management satellite hub station (Add a second unit for redundant option)
- Interface to **NetworkAdvantage™** Management System operator computer: TCP/IP, 10/100BaseT
- Interface to Node Controller NC 5200: TCP/IP, 10/100BaseT

### General Specifications

#### Environmental:

Operating Temperature: 0 to 40 Degrees C  
Humidity: 0 to 90% non-condensing

#### Power:

Input Voltage: 110/230VAC auto-select  
AC Frequency: 47 - 63 Hz  
Power Requirements: 150 Watts  
Controlled Shutdown: In event of power failure, system retains min. of 2 minutes power

#### Interfaces

M&C port 1 x 'open' 10/100BaseT Ethernet (RJ-45)  
1 x RS-232 port  
NC 5200 Node Controller 3 x 'secure' 10/100BaseT Ethernet ports (RJ-45)

#### Dimensions:

Case: 2RU 19" Rack  
Size: 88(H) x 482(W) x 455(D) mm  
Weight: 9.5 kg

Specifications subject to change without notice

PO Box 50-777 North City Plaza Porirua New Zealand  
Phone+64 4 237 7716 Fax +64 4 237 6044  
[www.networkadvantage.biz](http://www.networkadvantage.biz)