

Getting started - GTH-C3

Declaration of R&TTE Conformance:

This product GTH-C3 complies with the requirements of the EMC Directive 89/336/EEC (EN 300 386 Class B for telecommunication centers, residential, commercial & light industry) and the safety objectives of the Low Voltage Directive (LVD) 2006/95/EC as described in EN 60950.

Safety, Europe

IEC 60950-1 and EN 60950-1
IEC CB Test Certificate for CENELEC countries

Safety, USA

ANSI/UL 60950-1

Safety, Canada

ANSI/UL 60950-1
CAN/CSA-C22.2 No.60950-1
IEC CB Test Certificate

Safety, Korea, Australia

ANSI/UL 60950-1
IEC CB Test Certificate

EMC, Europe

EN 300 386 Class B, compliance tested for both 'telecom center' and 'other telecom' requirements

EMC, USA, Canada

FCC Part 15 Class B equipment

Telecom Protection, USA

47 CFR Part 68, TCB Certificate GTHDENANGTH-C3

Telecom Protection, Canada

CS03, Terminal Registration No. IC:5157-GTHC3

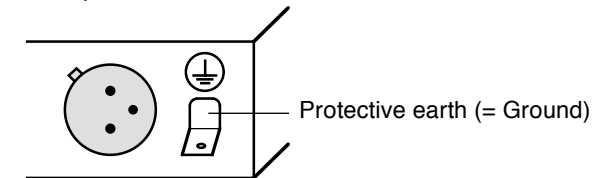
Corelatus AB

Tegnérsgatan 37
111 61 Stockholm
www.corelatus.se

Connect ground

Grounding of the equipment is important for safety. This equipment must not be operated unless it is grounded. When installing a unit, the connection to protective ground must be made before any other connections are made. When removing a unit, all signal and both power connectors must be removed before disconnecting the protective ground connection. The connector is a blade connector 6,3 X 0,8 mm.

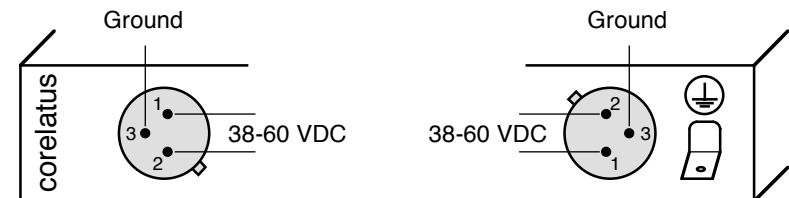
The equipment is intended for use in a location where equipotential bonding has been applied, e.g. telecommunication centre, and which has provision for permanently connected protective earthing conductor. The protective earthing conductor shall be connected to the protective earthing terminal on the equipment by service personnel.



Connect power

Power can be connected to one or both inputs simultaneously. The plug type is 3 pin female XLR. If both inputs are powered, power is drawn from the source with the highest voltage. The connection is polarity independent.

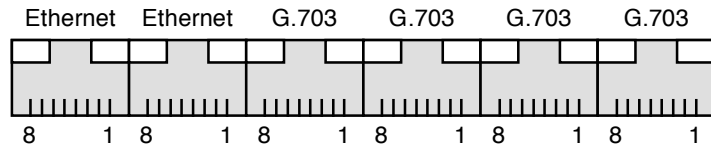
If the supply voltage or the voltage between one pole and (protective) ground becomes greater than 75V an internal crowbar is activated, thereby protecting the equipment from damage. The crowbar is automatically reset when the voltage goes below 75V.



When power is connected the modules boot. The boot process is visible on the leds, see below. The power consumption is typically 9W/module, i. e. a chassis equipped with three modules typically consumes 27W.

Connect Ethernet and G.703

Each module is equipped with a connector block as shown below. The connector type is RJ-45.



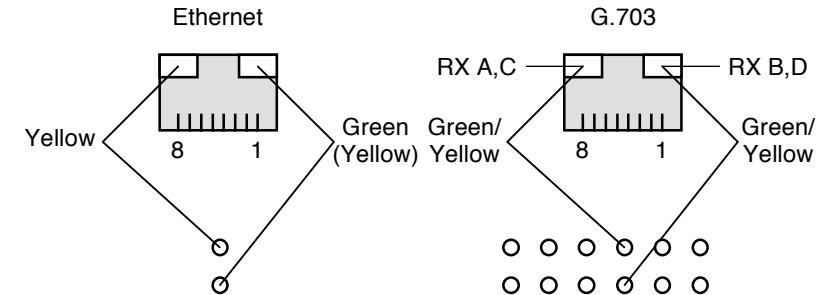
Pin	Ethernet	G.703
1	TX+	RX A
2	TX-	RX A
3	RX+	RX B
4	Termination	RX C
5	Termination	RX C
6	RX-	RX B
7	Termination	RX D
8	Termination	RX D
Case	Ground	Ground

For connection to a hub or switch a standard straight ethernet cable can be used. For direct connection to an application host a crossed ethernet cable is needed. Shielded ethernet cables must be used.

The default IP address at delivery is:
First ethernet (leftmost): 172.16.1.10

Led indication

The front leds show the same information as the leds in the connector.



At power-on, the right Led in the leftmost RJ-45 connector is lit yellow to indicate that the module is booting.

During operation the led indication is according to the table below.

LED	Ethernet	G.703
Off	IP address not assigned	Layer 1 not initialized for either RX pair
Yellow	IP address assigned No link integrity	Layer 1 initialized, framing not recovered for all initialized pairs
Green	Link integrity	Layer 1 initialized, framing recovered for all initialized pairs
Green flash	Traffic	

Additional information

API description and other useful information is available at Corelatus website: www.corelatus.se.

Some software in this product is distributed under the terms of the GNU public licence. <http://www.corelatus.se/gpl> contains information on how to order copies.

No user serviceable parts inside.