

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

Safety, USA

ANSI/UL 60950-1; Second Edition

Safety, Canada

ANSI/UL 60950-1
CAN/CSA-C22.2 No.60950-1-07; Second Edition
IEC CB Test Certificate

Safety, Korea, Australia

ANSI/UL 60950-1; Second Edition
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

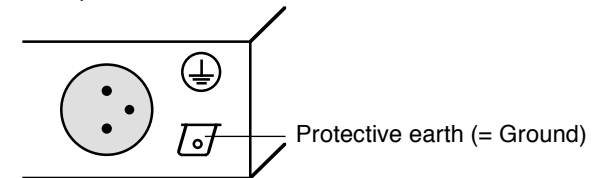
Corelatus AB
Tegnérsgatan 37
111 61 Stockholm
www.corelatus.se

Getting started - E1/T1 RAN Probe

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.

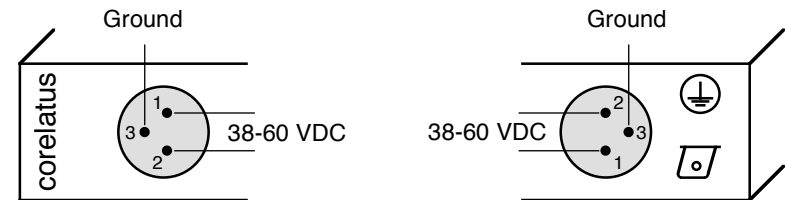
The equipment is intended for use in a location where equipotential bonding has been applied, e.g. telecommunication centre, and which has provision for permanently connected protective earthing conductor. The protective earthing conductor shall be connected to the protective earthing terminal on the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



Connect power

The probe can be powered from nominal 48 VDC or from PoE or from both. The power consumption is typically 7 W.

The plug type is 3 pin female XLR. The connection is polarity independent.

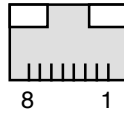


Both Ethernet ports support Power over Ethernet as per IEEE 802.3 §33 "Powered Device" (PD), Class 0 (up to 12,95 W), for Environment A (inter building).

One, two, three or all four power inputs may be used simultaneously for redundancy purposes. Switchover from one source to another is instantaneous. Power is drawn from the source with the highest voltage.

Connect Ethernet and G.703

The connector type is RJ-45.



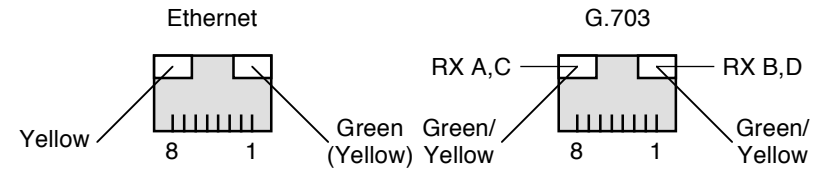
Pin	Ethernet	G.703
1	TX	RX A
2	TX	RX A
3	RX	RX B
4	Termination	RX C
5	Termination	RX C
6	RX	RX B
7	Termination	RX D
8	Termination	RX D
Case	Ground	Ground

Ethernet support Auto-MDIX and Power over Ethernet (PoE).

Shielded ethernet cables must be used. The G.703 cables can be unshielded.

The default IP address at delivery is:
Leftmost ethernet (eth1): 172.16.1.10

Led indication



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

The "Getting Started Guide (Software)", part number 10-0002, describes how to contact the on-board HTTP server and how to get started with the API.

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.