



Data Sheet

Gateway Interface Communicator CG150-2 CAN/USB



The Danfoss CG150-2 CAN Interface is an element of the PLUS+1® family of mobile machine management products. The CG150-2 provides a compact and cost effective gateway interface between PLUS+1® compliant modules on the PLUS+1® Controller Area Network (CAN) and a personal computer (PC) USB port.

The CG150-2 communicator provides the application download of programs to PLUS+1® compliant devices on the PLUS+1® CAN network and upload/download of application tuning parameters.

Device drivers are imbedded in the PLUS+1® GUIDE (Graphical User Integrated Development Environment) service and diagnostic tool software.

The CG150-2 is compatible with Bosch CAN standard 2.0 A & B (standard and extended data frames) and USB standard 2.0 (Hi-speed).

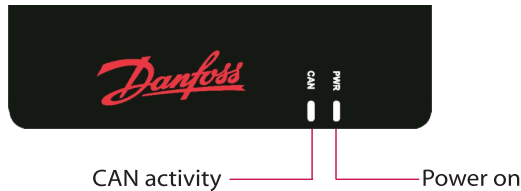
Features

- USB powered
- Supports CAN bit rates up to 1000 kb per second
- CAN messages are time-stamped in 100 ms increments
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B) identifiers
- Supports data and remote frames
- Equipped with 110 cm [44 in] length USB cable and 30 cm [12 in] length CAN cable
- Interface the CAN bus with 9-pin D-SUB connector
- Designed for USB 2.0 (Hi-speed)
- Microsoft Windows XP®; 7; and 8 platforms
- Plug and Play installation
- CAN bus monitor software available at: <http://powersolutions.danfoss.com/products/PLUS-1-GUIDE/PLUS-1-software-tools/>

Technical data

Dimensions	35 x 165 x 17 mm
Power supply	USB
Current consumption	(approximately) 90 mA@5V
Operating temperature range	0° C – 70° C [32° F – 158° F]
Storage temperature range	-40° C – 85° C [-40° F – 185° F]
USB version	2.0 (Hi-speed)
Clock accuracy	100 µs
LED indicators	2
Bit rate (kb/sec)	40 – 1000 Kbits/sec
CAN physical layer	High speed (ISO 11898-2)
Galvanic Isolation	Yes
Clock synchronization of multiple devices	No
Maximum message rates msgs/sec	8000
Time stamp (bits)	32
Error counters reading	No
Mix 11/29 bit messages	Yes
Error frame detection	Yes
Error frame generation	No
Silent mode	No
Sound indicator	No
CAN connector	9-pin male D-SUB
USB cable length	110 cm [44 in]
CAN cable length	30 cm [12 in]
Auto transmit buffers	No
Auto response buffers	No
Load dump protection	Yes
Polyurethane cabling	Yes

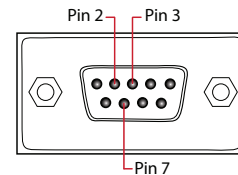
Status Lights



CAN pin configuration

CAN pin configuration

Pin	Function
1	–
2	CAN –
3	Shield/ Ground
4	–
5	–
6	–
7	CAN +
8	–
9	–



9-pin male connector, front-side view

Ordering information

Ordering Information

CG150-2 CAN/USB Gateway Interface Communicator	Part Number 11153051
--	----------------------

Danfoss Power Solutions US Company
 2800 East 13th Street
 Ames, IA 50010, USA
 Phone: +1 515 239 6000

Danfoss Power Solutions GmbH & Co. OHG
 Krokamp 35
 D-24539 Neumünster, Germany
 Phone: +49 4321 871 0

Danfoss Power Solutions ApS
 Nordborgvej 81
 DK-6430 Nordborg, Denmark
 Phone: +45 7488 2222

Danfoss Power Solutions (Shanghai) Co. Ltd.
 Building #22, No. 1000 Jin Hai Rd
 Jin Qiao, Pudong New District
 Shanghai, China 201206
 Phone: +86 21 3418 5200

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.