



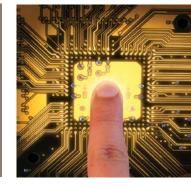






IQAN-G12 Remote Diagnostics

Electronic Control Systems





ENGINEERING YOUR SUCCESS.

IQAN-G12

Easy wireless access to machine at any time

Application

The IQAN-G12 is a CAN gateway using Bluetooth® wireless technology for IQAN system diagnostics on-site or remotely. It is designed to transmit diagnostic data from the IQAN system to a user's smartphone or a tablet with IQANgo app, or to a PC with IQANrun.

The IQAN-G12 gateway enables accessible communication with the IQAN master modules in machine control systems. To ensure efficient interaction, the IQAN-G12 transfers data more than four times faster than the previous model G11. Connection security is increased by device pairing and encryption (IQANdesign 6.08 or later version).

The IQAN-G12 is backwards compatible with the IQAN-G11, and works also on systems running previous IQANdesign versions.

Installation

The IQAN-G12 is designed to be easily mounted in a vehicle interior or on an exterior panel. There is 1 LED provided for status signals. The unit has a molded plastic housing and built-in, sealed connector. The rugged design of the IQAN-G12 is ideal for harsh environments and constructed to be weatherproof for outdoor use.

Connectivity

The IQAN-G12 solution, together with IQAN software tools, enables easy on-site or remote access to machines. Fast diagnostic and data transfer makes real-time measurement, parameter adjustment and updating of applications quick and easy.

The IQAN system offers exceptional added value through reduced diagnostic time, as access to the machine is possible wherever there is mobile phone coverage. Service

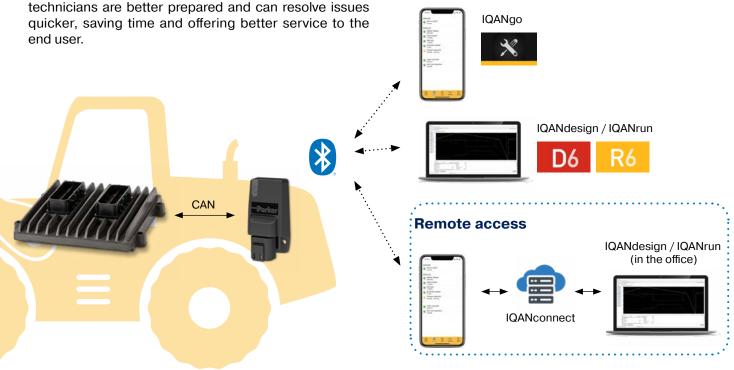
General

Weight Temperature range	60 g
- Operating, ambient	-30 to +70°C
- Storage, ambient	-40 to +85°C
Protection	Installation on mobile machinery
Voltage supply	12 or 24 Vdc nominal
Current consumption	
- 14 Vdc	60 mA
- 28 Vdc	30 mA
Start up time	< 3 seconds
Communication interfaces	
CAN	1

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(- Bus speed 250 kbps - Bus speed CAN FD 500 kbps/2Mbps - Protocol **IQAN Diagnostic Protocol** Bluetooth 1 - Protocol Bluetooth 5.2 LE - Range up to 30m **Connector interfaces** Power/CAN Deutsch DT, 4 pin Ordering part number IQAN-G12 20085200 Connector 5031113

On site access



Environmental protection

EMC harmonized standards

ISO 14982:2009, EN ISO 13766-1:2018

Climate environment

ISO 20653-2013 IP6K9K (enclosure, dust, water) IEC 60068-2-30:2005 Db (damp heat, cyclic) IEC 60068-2-78:2001 Cab (damp heat, steady state) IEC 60068-2-2:2007 Bb (heat) IEC 60068-2-1:1993 Ab (cold) IEC 60068-2-14:1984 Nb (change of temperature)

Mechanical environment

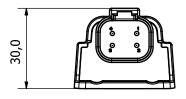
IEC 60068-2-64:2008 Fh (random) IEC 60068-2-27:2008 Ea (bump)

See the IQAN-G12 instruction book for further information.

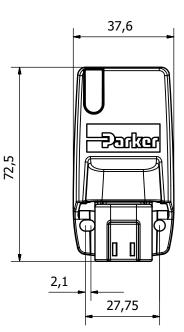
Markings / Approvals

FCC (United States) ISED (Canada) CE (Europe)

E-mark Great Britain UKCA Japan MIC FCC ID: QOQ-BGM220S2 ISED: 5123A-BGM220S2 2014/53/EU, Radio Directive (RED) 2011/65/EU, ROHS 2, 2015/863 RoHS 2 amendment ECE R10 rev 06 Radio Equipment Regulations 2017 R209-J00429







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www.parker.com



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