



## FRONIUS IG INTERFACE CARD / BOX FRONIUS IG DATALOGGER & INTERFACE

### FRONIUS IG INTERFACE CARD / BOX

The FRONIUS IG Interface Card / Box has a **serial interface with an open data protocol** that enables the latest PV data to be downloaded from the inverter and processed. This will have the following advantages:



- Integration of system data in other IT systems (building control, alarm systems, etc.)
- Data transfer to PC for other visualisation purposes (e.g. to include PV data on a homepage)
- Interface to other data logging systems

Configuring the Interface Card / Box as a serial interface enables a PC or other devices to be connected. - As normal with FRONIUS IG DatCom components, power for the FRONIUS IG Interface Card (Box) is supplied by an inverter or a plug-in power pack.

The new standard interface from Fronius is compatible with all FRONIUS IG inverters. The only prerequisite is that a datalogger be present.

### TECHNICAL DATA

Supply Voltage	12 V DC
Power consumption	<b>Card:</b> 1,2 W <b>Box:</b> 1,6 W
Protection class	<b>Card:</b> equal to the FRONIUS IG, in which the Card is installed <b>Box:</b> IP 20
Dimensions	<b>Card:</b> 140 x 100 x 26 mm (l x w x h) <b>Box:</b> 197 x 110 x 57 mm (l x w x h)
Connection area Interface Card / Box	RS 232-interface, 9-pole submin-socket „Data“
Additional pins Interface Box	RS 485-interface, RJ 45-socket „IN“ RS 485-interface, RJ 45-socket „OUT“
Adjustable baudrates	2400, 4800, 9600, 14400, 19200
<b>Fronius Article-Numbers</b>	<b>Card integrated:</b> 4,240,009 <b>Card retrofit:</b> 4,240,009,Z <b>Box:</b> 4,240,109



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### FRONIUS IG DATALOGGER & INTERFACE (BOX)

The combined **FRONIUS IG Datalogger & Interface** (IP20) has been created especially for new systems and / or systems which are retrofitted with components for data communication. The Interface Card is already in the datalogger housing, thus reducing installation time and costs.



### TECHNICAL DATA

Storage capacity	540 kByte
Storage time	~ 1000 days (1 FRONIUS IG, 30 min save cycle)
Supply voltage	12 V DC
Power consumption	2,8 W
Protection class Box	IP 20
Dimensions	210 x 110 x 72 mm (l x w x h)
Connection area FRONIUS IG Datalogger & Interface	USB-interface, USB-socket „Computer“ RS 232-interface, 9-pole submin-socket „Modem“ RS 232-interface, 9-pole submin-socket „Data“ RS 485-interface, RJ 45-socket „IN“ RS 485-interface, RJ 45-socket „OUT“
<b>Fronius Article-Number</b>	<b>4,240,105</b>

### FRONIUS IG.INTERFACE – THE SOFTWARE

The software programme „**FRONIUS IG.interface**“ is the counterpart of the FRONIUS IG Interface Card / Box. This programme has been created to support potential developers, who intend to design an own counterpart for subsequent processing of the PV system data.

You can find this software in the download-area of our website [www.fronius.com/solar.electronics](http://www.fronius.com/solar.electronics).

From this site you can also download a demo version of the software which has been developed for testing the communication between Interface component and PC.

For detailed information regarding the communication protocol please have a look at the operating manual, which you can find as well in the download-area, chapter “Operating manuals”, paragraph “System monitoring”.