

Inter Control digsy^Å® fusion-G

- The digsy^Å fusion-G is a modular controller for mobile applications which is scalable from 48 to 240 multifunctional I/O's.

Highlights

- 32-bit system with high computing power
- Free programmable with Codesys V3.5
- Multi-tasking capability
- Four independent CAN-interfaces with CANopen/J1939-protocol
- Field friendly software exchange via USB stick
- FRAM memory (data back up on power-fail)
- Status display with ten bi-colour LED's
- Power supply voltage monitor
- Temperature monitor

Technical data

System:

- Processor: 32-bit, 200 MHz, Floating Point Unit
- RAM: 16 MB data memory
- Flash: Up to 35 MB program- and data memory
- Serial Flash: 64 MB for data logging
- FRAM: 32 kB non-volatile memory

Interfaces

- 4 CAN interfaces (CANopen, J1939, proprietary)
- 2 EIA-232 (RS-232) interfaces, one free programmable
- 1 Ethernet interface (UDP, TCP/IP)
- 1 USB interface for memory sticks

Configurable in/outputs per module (up to 5 possible)

- 12 Outputs PWM, current control
Digital output:
8x 2,5 A
4x 4 A
- 6 Out/inputs Digital output, 6x 4 A - safe
Digital input, high active
- 6 Inputs Digital input, high active
Digital input, low active
- 8 Inputs Digital input, high active
Counter/pulse input
Digital input, high active
- 16 Inputs Analog input:
0 to 20 mA
0 to 10 V
0 to 32 V

Front panel

- 7 LED's for system status indication
- 3 LED's for application status indication

General features

- Operating voltage 8 to 32 V
- Operating temperature: -40 °C to +80 °C
- Aluminum housing with Goretex filter, rock fall and saltwater resistant
- Shock and vibration proof
- EMC proof according to automotive standards
- Integrated load dump protection
- Environmental protection according to IP6K9K, IP6K7
- Dimensions: appr. 161,5 x 252 x 67 mm (small housing)
appr. 161,5 x 252 x 115 mm (medium housing)
appr. 161,5 x 252 x 162 mm (large housing)

Contact

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Features

NMT	NMT slave NMT master
Error control	Node guarding Life guarding Heartbeat producer Heartbeat consumer: 127
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Software switch
CANopen bit-rates	10 kbit/S 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	Software switch
RPDOs	512
TPDOs	512
PDO modes	Event-triggered Triggered by event-timer Synchronous (cyclic) Synchronous (acyclic)
PDO linking	Yes
PDO mapping	Static
SDO server	127
SDO client	127
Emergency producer	Yes
Emergency consumer	127 message(s)
Sync producer	Yes
Sync counter	No
Time stamp	No
Additional functions	-
CANopen version	CiA 301 V4.0.2

Frameworks	CiA 302
Device profiles	-
Certified	No
Availability	In stock