

Inter Control digsy^Å® MTC-GB

- The digsy^Å® MTC-GB is the most advanced 32-bit control and visualisation system for individual customer solutions and superior cost effectiveness.

Highlights

- Powerful process- and communication controller
- 32-bit system (400 MHz) with high computing power
- Mobile suitable graphic controller for up to 2 displays
- Connects to up to 6 cameras
- Complete family of displays available (7" - 12,1")
- Free programmable with Codesys V3.5
- Multi-Tasking capability
- Four independent CAN-interfaces with CANopen/J1939-protocol
- Integrated Compact Flash-Card up to 4 GB for process and/or machinery data
- Field friendly software exchange via USB stick
- Serial EEPROM memory (data back up on power-fail)
- Status display with eight bi-colour and four uni-colour LED's
- Real-time clock with stand-by-service
- Power supply voltage monitor
- Temperature monitor
- System status display
- Waterproof enclosure with breathable Goretex[®]- membrane
- Shock and vibration resistant
- EMC resistant
- Operating temperature -40 °C to +70 °C without cooling

Technical data

System

- Cool Running (<1W) 32-bit, 400 MHz microcontroller
- 64-bit Floating Point Unit
- 32 MB SDRAM (expandable to 256 MB)
- 8 MB FLASH (expandable up to 64 MB)
- 1 GB Compact-Flash card,
- Temperature sensor
- RTC (Real Time Clock) with stand-by service

Interfaces

- 4 independent CAN interfaces (2x opto-isolated)
- 2 LVDS interfaces for digsy^Å MTC-Terminal displays
- 6 camera inputs (FBAS)
- 2 EIA-232 (RS-232) interfaces
- 1 Ethernet interface (UDP, TCP/IP)
- 1 USB Interface for memory sticks

Inputs/outputs

- 2 digital outputs (400mA, high side switch, short-circuit protected, over voltage and overload protected, protected against inverse polarity, identification of wire break)
- 2 digital Inputs (plus connected, over voltage and overload protected)

Front panel

- 12 LED's for system status display
- 1 push button, free programmable

Housing

- Designed to be mounted outdoors in the elements
- Protection class: IP66K (high pressure water-proof)

Contact

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Inter Control Hermann Koehler Elektrik GmbH & Co. KG

Schafhofstr. 30
DE-90411 NÃ¼rnberg

Email: info@intercontrol.de

Phone: +49-911-9522-5

Fax: +49-911-9522-857

Web: <http://www.intercontrol.de>

Sales contact

Joachim Stratmann

Phone: +49-911-9522-855

Fax: +49-911-9522-857

Email: stratmann.joachim@intercontrol.de

For download of brochures please visit www.outdoor-controls.de

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) Synchronous (cyclic) coupled to sync counter start
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	Yes
Time stamp	No
Additional functions	Self-starting device PLCopen/IEC 61131 function blocks
CANopen version	CiA 301 V 4.1
Frameworks	CiA 302
Device profiles	None
Certified	No

Availability

In stock