



digsy[®] fusion G-P

**High performance controller
for mobile applications.**

4 GB file system and 15 MB application memory.

8 CAN interfaces, 2 Ethernet ports and USB.

Scalable from 48 up to 192 multifunctional I/O's.

CODESYS 3.5 programmable.

The *digsy*[®] fusion G-P is focusing on high demand applications. With its 400 MHz CPU & FPU it outperforms existing automation solutions and enables designers to realize extraordinary functionality.

Vast memories allow the storage of detailed logging data over a long period as well as extensive configuration data for entire machine series.

Due to its connectivity featuring 8 CAN busses, 2 Ethernet ports, USB and RS-232 it is able to gather all important machine data, store them and transmit them whenever needed. Common CAN protocols from CANopen / J1939 up to Ethernet protocols such as OPC UA, FTP, UDP and TCP/IP are supported. Easy access via Webserver is available.

Technical data

digsy[®] fusion G-P

- 400 MHz, 32-bit CPU
- RAM: 16 MB + 32 MB
- Flash: 35 MB + 32 MB (therefrom 16 MB + 26 MB with file system)
- Flash: 1 to 4 GB CF-card with file system
- FRAM: 32 kB + 32 kB non-volatile memory
- 8x CAN-interfaces (CANopen, J1939, proprietary)
- 2x RS-232 interfaces (Modbus RTU, free programmable)
- 2x Ethernet with switch (OPC UA, FTP, UDP, TCP/IP, Modbus TCP)
- 1x USB 2.0 (Host)
- RTC (Real time clock)
- Webserver

12 - 48 outputs, multifunctional:	PWM, current controlled Digital output: 8 - 32x 2,5 A, 4 - 16x 4A
6 - 24 out-/inputs, multifunctional:	Digital output 4,0 A
6 - 24 inputs, multifunctional:	Digital input, high-active Digital input, high-active Digital input, low-active
8 - 32 inputs, multifunctional:	Digital input, high-active Counter/pulse-input
16 - 64 inputs, multifunctional:	Digital input, high-active Analog input: 0...20 mA, 0...10 V, 0...32 V
2 Reference voltage outputs:	5V/10V, switchable
1 Sensor supply output:	VIM, max. 400mA, switchable

- Operating voltage: 8...32V
- Operating temperature: -40°C...+80°C / -40°F...+176°F
- Aluminum housing with Goretex filter, rock fall and saltwater resistant
- Shock- and vibration proof
- EMC proof according to automotive standards
- Environmental protection according to IP6K9K / IP6K7
- Dimensions: appr. 161,5 x 252 x 67 mm (48 I/O's)
appr. 161,5 x 252 x 115 mm (96/144 I/O's)
appr. 161,5 x 252 x 162 mm (192 I/O's)

Order codes

<i>digsy</i> [®] fusion G-P - 48 I/O's, 1 GB CF-card	4888.53.001
<i>digsy</i> [®] fusion G-P - 96 I/O's, 1 GB CF-card	4888.53.002
<i>digsy</i> [®] fusion G-P - 144 I/O's, 1 GB CF-card	4888.53.003
<i>digsy</i> [®] fusion G-P - 192 I/O's, 1 GB CF-card	4888.53.004

Accessories

- Connector set, 64 poles	4305.51.001
- Connector with 3m cable, 64 wires	4306.20.001*
- Measurement box, for trouble shooting	4805.05.001
- Y-junction M12, for CANbus	4305.37.001*
- Sealing screw for unused M12-sockets	4305.84.001*
- CAN-terminator, M12 connector	4305.85.001*
- CAN-cable, 2m, M12-connector, loose end	4308.32.041*
- CAN-cable, 2m, M12-connector, M12-socket	4308.32.043*
- LAN-cable, 2m, M12-connector	4308.33.041*
- RS-232 cable COM1, 2m, M12-connector, D-Sub9	4308.34.044*
- RS-232 cable COM2, 2m, M12-connector, D-Sub9	4308.34.045*
- USB-cable, 1m, M12-connector, USB-A	4308.36.041*
- Cable-Kit, contains the with * marked articles	4306.51.010

