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 common 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 CP
- RAM: 16 MB + 32 MB
- Flash: 35 MB + 32 MB (therefrom 16 MB + 26 MB with file system)
- Flash: 64 MB for data logging + 1 to 4 GB with file system
- FRAM: 32 kB + 32 kB none-volatile memory

- 8x CAN-interfaces (CANopen, J1939, proprietary)
- 2x RS-232 interfaces, free programmable
- 2x Ethernet with Switch (OPC UA, FTP, UDP, TCP/IP)
- 1x USB 2.0 (Host)
- Webserver
- RTC (Real time clock)

12 to 48 Outputs multifunctional:	PWM, current controlled
	Digital output:
	4 x 2,5 A
	4 x 2,5 A
	4 x 4,0 A
6 to 24 Out-/inputs multifunctional:	Digital output 6x 4,0 A
	Digital input/high-active
6 to 24 Inputs multifunctional:	Digital input/high-active
	Digital input/low-active
8 to 32 Inputs multifunctional:	Digital input/high-active
	Counter/puls-input
16 to 64 Inputs multifunctional:	Digital input/high-active
	Analog input
	0…20 mA
	0…10 V
	0…32 V

- 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
- EMV proof according to automotive standards
- 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)

Order codes

digsy® fusion **G–P** – 48 I/Os	4888.53.001
digsy® fusion **G–P** – 96 I/Os	4888.53.002
digsy® fusion **G–P** – 144 I/Os	4888.53.003
digsy® fusion **G–P** – 192 I/Os	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-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*
- LAN-USB adaptor	4308.38.001*
- Cable-Kit, contains the with * marked articles	4306.51.010