G-FIP
Flash In-System Programming (ISP) via Automotive Busses

basi**C**AN 61PLUS
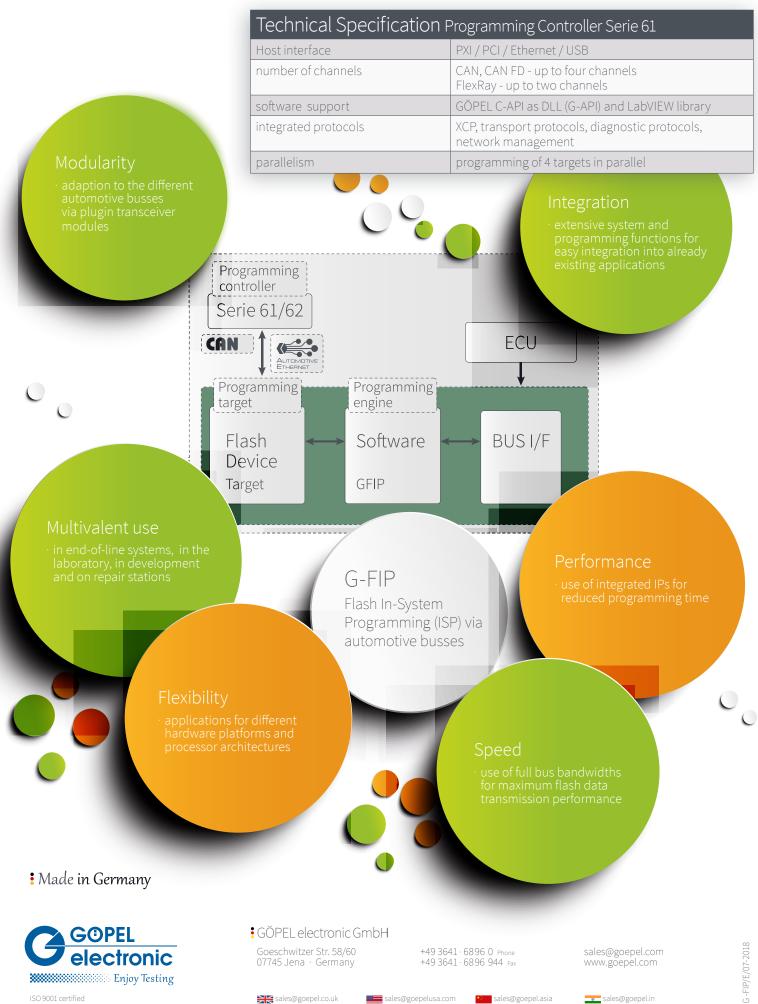CAN-Bus-Controller

basi**F**LEX 6191
FlexRay-Controller

· high-performance Flash programming of control units in end-of-line systems, in the laboratory, in development and on repair stations

· maximum use of available automotive bus bandwidth

· programming and verification of Flash data via specific Flash IPs

· Flash algorithm not required to remain permanently in the control unit

· wide range of hardware interfaces available

· easy integration into existing software environments

· support of various automotive busses and processor platforms

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Technical Specification Programming Controller Serie 61

Host interface	PXI / PCI / Ethernet / USB
number of channels	CAN, CAN FD - up to four channels FlexRay - up to two channels
software support	GÖPEL C-API as DLL (G-API) and LabVIEW library
integrated protocols	XCP, transport protocols, diagnostic protocols, network management
parallelism	programming of 4 targets in parallel

Modularity
· adaption to the different automotive busses via plugin transceiver modules

Integration
· extensive system and programming functions for easy integration into already existing applications

Programming controller

Serie 61/62

CAN

AUTOMOTIVE ETHERNET

ECU

Programming target

Programming engine

Flash Device

Target

Software

GFIP

BUS I/F

Multivalent use
· in end-of-line systems, in the laboratory, in development and on repair stations

G-FIP
Flash In-System Programming (ISP) via automotive busses

Performance
· use of integrated IPs for reduced programming time

Flexibility
· applications for different hardware platforms and processor architectures

Speed
· use of full bus bandwidths for maximum flash data transmission performance

⋮ Made in Germany

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ISO 9001 certified