



# FlashFOX<sup>®</sup>

## Stand-alone production programmer for Embedded In-System Programming (ISP)



Supported by:



Federal Ministry  
for Economic Affairs  
and Climate Action

on the basis of a decision  
by the German Bundestag

- new generation of flexibly configurable in-system programmers
- highest performance and compact design
- easy integration into ATE or adapter, even for longer connections
- control via USB 3.0, LAN, WLAN, RS232 or ATE signals
- protection of your data through hardware decryption (Embedded Hardware Guarding)
- programming and validation of up to eight different devices simultaneously



## Parameter master unit (FlashFOX®)

	FlashFOX® 8	FlashFOX® 8/x4
programming channels	up to 8	up to 4
internal data storage	8 GB	8 GB
power supply	5 V	5 V
host interface	Gbit LAN, WLAN, USB 3.0, serial interface (RS232), ATE interface	Gbit LAN, WLAN, USB 3.0, serial interface (RS232), ATE interface
dimensions (W x D x H)	160 mm x 100 mm x 25 mm	160 mm x 100 mm x 25 mm
integrated technologies / formats	VarioTAP, X-Bus, SCANFLEX, SVF, JAM/STAPL	VarioTAP, X-Bus, SCANFLEX, SVF, JAM/STAPL

### In-System Programming (ISP)

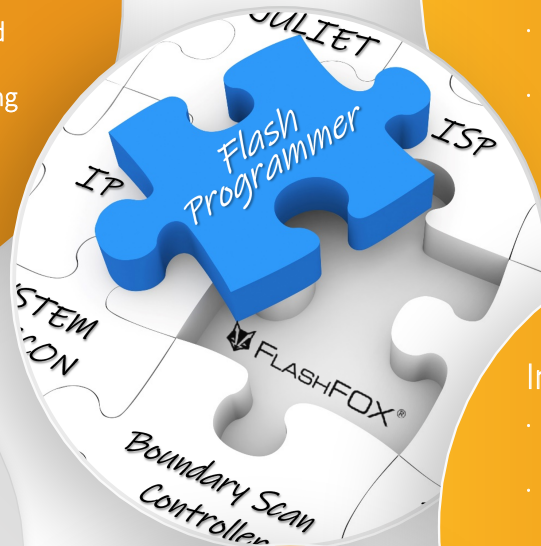
- programming of microcontrollers, flash components or PLD/FPGA
- extensive component library
- programming in the already installed state (in the system)
- alternative to on-socket programming or pre-programmed devices

### Performance

- highest performance with parallel programming
- support of different protocols (JTAG, SWD, DAP, SPI etc.)
- internal high-speed cache for optimum performance
- easy firmware updates



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### Integration

- miniaturized POD units for easy ATE integration
- integration in ATE, functional test or in-circuit test
- reliable for industrial use in 24/7 operation
- API interface available for easy software integration into existing systems

### Modular constructions

- compact master unit and tiny programming heads (PODs)
- up to eight programming channels with highest signal integrity
- fast communication via FlashFOX POD interface
- control via LAN, WLAN, USB 3.0, UART or a defined ATE interface