

Product Overview Datafox terminals on microcontroller base

as of 04/2018



Detailed product brochures and devices based on PC, see www.datafox.de or call us at Phone: +49 (0) 36967 - 595-0

Products	TimeboyIV	TimeboyIV Mobile PZE	Vehicle Data Logger V2 for Timeboy	ZK-Box V4	ZK-Knoten	EVO 2.8 Pure Time & access terminal	EVO 3.5 Pure Time & access terminal	EVO 3.5 Universal	EVO 4.3 Multifunction-Terminal	PZE MasterIV V4	PZE MasterIV Basic V4	AE MasterIV V4	IO Box V4	Mobil-Box V4
														
applications	PZE = Time & Attendance AZE = Order time recording BK = Access Control / Door monitoring BDE = Data Collection MDE = Machine Data Collection PDE process data recording MDE = mobile data acquisition FZDE = vehicle data acquisition / Telematics	PZE AZE BDE MDE FZDE material detection	FZDE / Telematics	ZK PZE BDE MDE PDE Remote Control Technology	ZK PZE BDE MDE PDE Remote Control Technology	PZE AZE BDE ZK	PZE AZE BDE ZK	PZE AZE BDE ZK	PZE AZE BDE MDE PDE ZK	PZE AZE ZK	PZE AZE	PZE ZK AZE BDE MDE PDE	MDE PDE Remote Control Technology ZK	FZDE / Telematics Dispomanager fleet management MDE PDE ZK on vehicles
Parameterization / setup with	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV / Timeboy	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV
Communication DLL version	04.xx.xx	04.xx.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx	04.03.xx
housing	ABS Luran HB	ABS Luran HB	ABS HB	ABS HB, aluminum Stl. sheet	ABS HB	ABS HB	ABS HB	ALU-frame, real glass	ALU-frame, real glass	ABS HB	ABS HB	ABS HB	ABS HB, aluminum Stl.Blech	ABS HB, aluminum Stl.Blech
protection	IP65	IP65	IP20	IP20	IP20	IP54	IP54	IP65	IP54	IP65 front	IP50	IP65 front	IP20	IP20
Size: width x height x depth [mm]	148 x 70 x 15	148 x 70 x 15	81 x 92 x 44	81 x 92 x 34	Ø 53 x 35 / 45mm	109 x 200 x 85	109 x 200 x 85	85 x 208 x 27	140 x 270 x 98	130 x 360 x 70	130 x 237 x 55	170 x 280 x 60	81 x 92 x 34	81 x 92 x 34
CPU	ATMEGA 256 8 bit, 8 MHz	ATMEGA 256 8 bit, 8 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz	CPU 32 bit 168 MHz
program memory	256 KB	256 KB	512 KB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB	2 MB
display	Color TFT 1.9 " 220x176 pixels with backlight	5 x LED	3 x LED	5 x LED	3 x LED	320 x 240 pixels Color Display with LED backlight	480 x 320 pixels Color Display with LED backlight	320 x 240 pixels Color Display with LED backlight	480 x 272 pixels Color Display with LED backlight	320 x 240 pixels monochrome backlight white	320 x 240 pixels monochrome backlight white	320 x 240 pixels monochrome backlight white	5 x LED	5 x LED
data storage	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	16 MB Flash	16 MB Flash	16 MB Flash	16 MB Flash	4 MB Flash	4 MB Flash
Memory SD Card 1GB				X		X	X		X	X	X	X	X	X
keyboard	25 keys	3 keys				Touch display	Touch display	Touch-Display	Touch Free Artwork	9 keys	7 keys	29 keys		
Operating temperature range	- 20 ° C to + 60 ° C	- 20 ° C to + 60 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 40 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C bis +50 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C	- 20 ° C to + 70 ° C
input	0.5 mA to 150 mA	0.5 mA to 150 mA	2 watt max. 10 watt	2 watt max. 10 watt	2 watt max. 10 watt	3 watt, max. 10 watt	3 watt , max. 10 watt	4 watt , max. 10 watt	4 watt , max. 15 watt	3 watt, max. 12 watt	3 watt, max. 12 watt	3 watt, max. 12 watt	2 watt max. 10 watt	2 watt max. 10 watt
Communication with PC / Server <small>Please note that the overview of simultaneous communication styles.</small>	RS232 external	by docking	X											
	RS485 external	by docking	X	X	X	X	X	X	X	X	X	X	X	X
	USB - PC connection	from docking V2	X	X	X	X	X	X	X	X	X	X	X	X
	USB - Connection for Stick			X	X	X	X	X	X	X	X	X	X	X
	TCP / IP (LAN)	by docking	by docking	X	X	X	X	X	X	X	X	X	X	X
	wireless Internet access	X	X	X	X	X	X	X	X	X	X	X	X	X
	Bluetooth, PDA with mobile WIN	X	X											
	Modem / ISDN modem externally	by docking	by docking	X										
	Mobile GSM modem externally	by docking	by docking											
	Mobile GSM / GPRS integrated													
integrated transponder reader	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, ...		Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Mifare, ...	external reader via RS485	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, Nedap, SimonsVoss, ...	Unique (EM4102) Hitag 1,2, S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, Nedap, SimonsVoss, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, Nedap, SimonsVoss, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Mifare, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Legic, Mifare, Nedap, SimonsVoss, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Mifare, ...	Unique (EM4102) Hitag 1,2, S, Titanium / EM4450 / Hewi, Mifare, ...
iButton reader				ext. RS485 readers	ext. RS485 readers	X	X	X	X	X	X	X	ext. RS485 readers	ext. RS485 readers
Magnetic card reader				ext. via RS232		ext. via RS232	ext. via RS232		ext. via RS232	ext. via RS232	ext. via RS232	ext. via RS232	ext. via RS232	ext. via RS232
integrated barcode reader	X	X				X	X		X					
RS232 for external barcode / RFID reader				X		X	X		X	X	X	X	X	X
fingerprint						X	X	X	X	X	X	X		
GPS integrated	X	X	External Navimaus	X		X	X		X	X	X	X	X	X
inputs	2 x digital	2 x digital	2 x digital	4 x digital1 4 x analog1	2 x digital / analog	4 x digital1 4 x analog1	4 x digital1 4 x analog1	2 x digital / analog	4 x digital1 4 x analog1	4 x digital1 4 x analog1	4 x digital1 4 x analog1	4 x digital1 4 x analog1	4 x digital1 4 x analog1	4 x digital1 4 x analog1
outputs			1 x relay 42V 60W 1	2 x relay 42V 60W 1	1 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1	1 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1	2 x relay 42V 60W 1
IO processing / MDE	X	X	X	X		X	X		X	X	X	X	X	X
IO module connected via separate RS232				X		X	X		X	X	X	X	X	X
ZK II with RS485 for ext. transponder readers				X	X	X	X	X	X	X	X	X	X	X

Request tester: Unconditionally free! Simply by Price List Request! Order 4 weeks for check return policy.

¹ - I / O modular expandable see pricelist