

# Product Overview Datafox terminals on microcontroller base

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

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Produkte	TimeboyIV	TimeboyIV Mobil-PZE	Vehicle Data Logger V2 for Timeboy	KYO Oneloc	KYO Inloc	KYO Cenloc	EVO 2.8 Pure Time & access terminal	EVO 3.5 Pure Time & access terminal	EVO 3.5 Universal	EVO 4.3 Multifunction-Terminal	EVO 4.6 FlexKey	PZE-MasterIV V4	PZE-MasterIV Basic V4	AE-MasterIV V4	IO-Box V4	Mobil-Box V4	
<b>applications</b>	TNA Time & Attendance O-T-R Order time recording AC Access Control / Door monitoring P-D-C Production Data Collection MDC Machine Data Collection PDE process data recording MDA mobile data acquisition VDAS vehicle data acquisition / Telematics	TNA O-T-R P-D-C MDA MDC VDAS / Telematics	TNA O-T-R P-D-C MDA VDAS / Telematics	AC TNA P-D-C MDC PDE Remote Control Technology	AC TNA P-D-C MDC PDE Remote Control Technology	AC TNA P-D-C MDC PDE Remote Control Technology	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	TNA O-T-R AC P-D-C MDC PDE MDA VDAS	MDC PDE Remote Control Technology MDA AC	VDAS/ Telematics Dispomanager fleet management MDC PDE AC on vehicles
<b>Parameterization / setup with</b>	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	DatafoxStudioIV	
<b>Communication DLL version</b>	04.xx.xx	04.xx.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	04.04.xx	
<b>Housing</b>	PC-ABS INFINO NH-1015V V0	PC-ABS INFINO NH-1015V V0	PC-ABS INFINO NH-1015V V0, aluminium sheet	ABS	PC-ABS INFINO NH-1015V V0, aluminium sheet	aluminium/steel sheet	ABS Rotec 1001FR V014	ABS Rotec 1001FR V014	ALU frame, real glass front	Front: ALU frame, real glass, housing tray: ABS Rotec 1001FR V014	Front: ALU frame, real glass, housing tray: ABS Rotec 1001FR V014	ABS	ABS	ABS	PC-ABS INFINO NH-1015V V0, aluminium sheet	PC-ABS INFINO NH-1015V V0, aluminium sheet	
<b>Protection class</b>	IP65	IP65	IP20	IP20	IP20	Rack IP10 Wall IP65	IP54	IP54	IP65	IP 65 front side IP54 total	IP 65 front side IP54 total	IP 65 front side IP54 total	IP50	IP 65 front side IP54 total	IP20	IP20	
<b>Size: width x height x depth [mm]</b>	148 x 70 x 15	148 x 70 x 15	81 x 92 x 44	Ø 53 x 35 / 45mm	81 x 92 x 34	Rack 485 x 88 x 433 Wall 300 x 400 x 128	109 x 200 x 85	109 x 200 x 85	85 x 208 mm x 27	140 x 270 x 98	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	
<b>CPU</b>	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	CPU 32 Bit 168 MHz	CPU 32 Bit 168 MHz	
<b>Program memory</b>	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	2 MB	2 MB	
<b>Display</b>	Color-TFT 2,0" 220x176 pixels with backlight	5 x LED	3 x LED	2 x LED	5 x LED	480 x 320 pixels Color Display with LED backlight	320 x 240 pixels Color Display with LED backlight	480 x 320 pixels Color Display with LED backlight	320 x 480 pixels Color Display with LED backlight	4,3" 480x272 pixels Color Display with LED backlight	6,94" 480x800 pixel Color Display with LED backlight	320 x 240 pixels Color Display with LED backlight	320 x 240 pixels Color Display with LED backlight	320 x 240 pixels Color Display with LED backlight	5 x LED	5 x LED	
<b>Data memory</b>	4 MB Flash	4 MB Flash	4 MB Flash	4 MB Flash	4 MB / 16 MB Flash	16 MB Flash	4 / 16 MB Flash	4 / 16 MB Flash	4 / 16 MB	16 MB Flash	16 MB Flash	16 MB Flash	16 MB Flash	16 MB Flash	4 / 16 MB Flash	4 / 16 MB Flash	
<b>Memory expansion SD Card 1 GB</b>					X		X	X		X	X		X	X		X	
<b>Keyboard</b>	25 Keys	3 Keys				Touch-Display	Touch-Display	Touch-Display	Touch-Display	Touch customisable	Touch customisable	9 Keys	7 Keys	29 Keys			
<b>Obtaining temperature range</b>	- 20°C to+ 60°C	- 20°C to+ 60°C	- 20°C to+ 70°C	- 20°C to+ 40°C	- 20°C to+ 70°C	- 20°C to+ 60°C	- 20°C to+ 70°C	- 20°C to+ 70°C	-20 °C to+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	- 20°C to+ 70°C	
<b>Power input</b> (depending on the equipment)	0,5 mA to150 mA	0,5 mA to150 mA	2 Watt to 10 Watt	2 Watt to 10 Watt	2 Watt to 10 Watt	3 Watt to 20 Watt	3 Watt to 10 Watt	3 Watt to 10 Watt	4 Watt to 10 Watt	4 Watt to 15 Watt	5 Watt to 16 Watt	3 Watt to 12 Watt	3 Watt to 12 Watt	3 Watt to 12 Watt	2 Watt to 10 W	2 Watt to 10 W	
<b>Communication modul integrated.</b> <small>Please note the overview of the possible communication types.</small>	RS232 external RS485 external USB - Connection to PC USB - Connection for stick TCP/IP (LAN) wireless Internet access Mobile GPRS LTE 3G/4G	by Docking by Docking from Docking V2 from Docking V2 by Docking X x	by Docking by Docking X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X
<b>Transponder reader integrated</b>	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, ...	external reader via RS485	external reader via RS485	Integrated and external Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Mifare, ...	external Reader by RS485	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	Unique (EM4102), Hitag 1,2,S, Titan / EM4450 / Hewi, Legic, Mifare, Nedap, HID, SimonsVoss, ...	
<b>iButton reader</b>				ext. RS485 Reader	ext. RS485 Reader	ext. RS485 Reader	X	X		X	X	X	X	X	ext. RS485 Reader	ext. RS485 Reader	
<b>Magnetic card reader</b>					ext. by RS232		ext. by RS232	ext. by RS232		ext. by RS232	ext. by RS232	ext. by RS232	ext. by RS232	ext. by RS232	ext. by RS232	ext. by RS232	
<b>integrated barcode reader</b>	X	X					X	X		X	X						
<b>RS232 for external barcode / RFID reader</b>					X	X	X	X		X	X	X	X	X	X	X	
<b>fingerprint</b>							X	X	X	X	X	X	X	X	X	X	
<b>GPS integrated</b>	X	X	X		X		X	X		X	X	X	X	X	X	X	
<b>inputs</b>	2 x digital	2 x digital	2 x digital	2 x digital/analog	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	up to 38 digital and 12 analog	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	2 x digital/analog	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	4 x digital / module <sup>1</sup> 4 x analog / module <sup>1</sup>	
<b>outputs</b>			1 x Relay 42V 60W <sup>1</sup>	1 x relay 42V 60W <sup>1</sup> 1 x active output	2 x relay 42V 60W per module <sup>1</sup>	up to 16 changeover relay, 30V AC, 30V DC, 2A, max. 60 Watt	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	1 x relay 42V 60W <sup>1</sup> 1 x active output	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	2 x relay 42V 60W per module <sup>1</sup>	
<b>IO processing / MDC</b>	X	X	X		X	X	X	X		X	X	X	X	X	X	X	
<b>IO module connected via separate RS232</b>					X		X	X		X	X	X	X	X	X	X	
<b>AC II with RS485 for ext. transponder readers</b>				X	X	X	X	X	X	X	X	X	X	X	X	X	

Request a test version. Completely free of charge! Simply request by price list and test for 4 weeks.

<sup>1</sup> - I / O modular expandable see pricelist