

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