

KBox M-100

FANLESS & GREAT VARIETY OF I/O INTERFACES



FANLESS INDUSTRIAL BOX PC WITH INTEL® BAY TRAIL SOC PROCESSOR

- ▶ 1x HDMI, 1x VGA for display output
- ▶ 2x GbE LAN for Ethernet
- ▶ 1x USB 3.0, 5x USB 2.0, 2x RS232/422/485, 8x RS232, 1x Parallel Port for peripherals
- ▶ 1x 2.5" SATA 2.0 HDD / SSD Slot, 1x mSATA for storage
- ▶ Extended input voltage range

POSSIBILITIES START HERE



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FANLESS INDUSTRIAL BOX PC WITH INTEL® BAY TRAIL SOC PROCESSOR

KBox M-100 is a fanless Box PC ideal for heavy-duty applications. This embedded hardware platform is designed with Intel® Bay Trail Quad Core Processor, Celeron® J1900, boasting both excellent performance and energy efficiency.

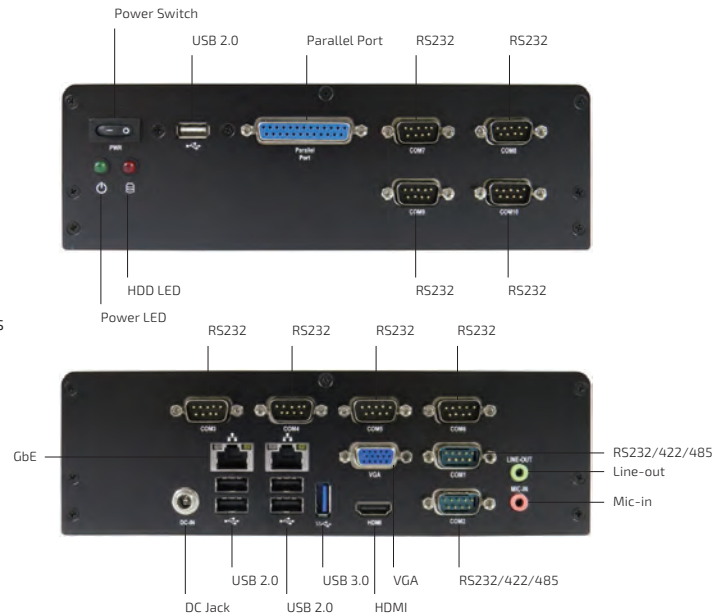
The system is supported with 2x DDR3L SO-DIMM. Featured are 2x

2.5" HDD (SATA), 2x GbE LAN, 5x USB 2.0, 1x USB 3.0, 1x VGA, 1x HDMI, 10x COM and 1x Parallel Port.

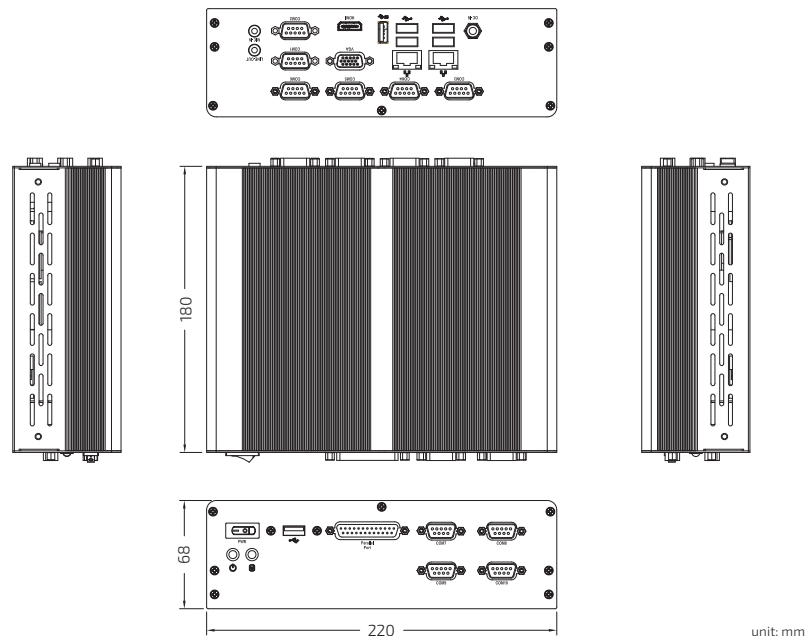
KBox M-100 provides high performance, reliability for harsh environments, compact size, noiseless operation and is highly suited to a wide range of industrial applications.

PRODUCT HIGHLIGHTS

- ▶ Intel® Bay Trail SoC Processor, Celeron® J1900
- ▶ 2x DDR3L SO-DIMM memory socket
- ▶ 1x HDMI, 1x VGA for video output
- ▶ 2x GbE LAN for Ethernet
- ▶ 1x USB 3.0, 5x USB 2.0, 10x COM, 1x Parallel Port for peripherals
- ▶ 1x 2.5" SATA HDD / SSD, 1x mSATA for storage
- ▶ Passive cooling design
- ▶ Extended input voltage range: DC 12 V ~ 24 V



MECHANICAL DIMENSIONS



► TECHNICAL INFORMATION

System	Processor Memory	Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170, 10 W TDP) 2x DDR3L 1333 SO-DIMM up to 8 GByte
Video	Graphics Display Interface Multiple Display	Intel® HD Graphics 1x HDMI (on rear, 1920 x 1080 @ 60 Hz) 1x VGA (on rear, 2560 x 1600 @ 60 Hz) Dual
Audio	Audio Codec Audio Interface	Realtek ALC662 1x Line-out (on rear) 1x Mic-in (on rear)
Network Connection	Ethernet	2x GbE LAN (RJ45 on rear, Realtek RTL8111G)
Peripheral Connection	USB Serial Port Other I/O Port	1x USB 3.0 (Type A on rear) 5x USB 2.0 (1x Type A on front, 4x Type A on rear) 2x RS232/422/485 (DB9 on rear) 8x RS232 (4x DB9 on front, 4x DB9 on rear) 1x Parallel Port (on front)
Storage & Expansion	Storage	1x 2.5" SATA HDD / SSD 1x mSATA (full size)
Power	Connector Input Voltage Power Adapter	Lockable DC Jack (on rear) DC 12 V ~ 24 V AC to DC, 100 V ~ 240 V
Firmware	BIOS Watchdog H/W Monitor Real Time Clock TPM	AMI uEFI BIOS w/ 64 Mb SPI Flash Programmable WDT to generate system reset event Voltages, Temperatures SoC integrated RTC Optional (Infineon SLB 9635 TPM 1.2)
System Control & Monitoring	Button, Switch & Indicator	1x Power Switch (on front) 1x Power LED (on front) 1x Storage LED (on front)
Cooling	Cooling Method	Passive
Software	OS Support	Windows 7, Windows 8
Mechanical	Construction Dimensions (W x D x H) Weight Mounting	Aluminum Chassis 220 mm x 180 mm x 68 mm / 8.66" x 7.09" x 2.68" 2200 g / 4.85 lb Wall Mount
Environmental	Operation Temperature Storage Temperature Humidity	0 °C ~ 50 °C / 32 °F ~ 122 °F -20 °C ~ 80 °C / -4 °F ~ 176 °F 0 % ~ 90 %
Certification	EMC & Safety	CE, FCC Class A

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox M-100	Intel® Celeron® J1900
OPTIONAL ACCESSORIES	
WALL MOUNT KIT	2x Wall mount bracket (length: 180 mm, hole distance: 130 mm)

► GLOBAL HEADQUARTERS

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