

KBox M-100

FANLESS & GREAT VARIETY OF I/O INTERFACES



FANLESS INDUSTRIAL BOX PC WITH INTEL® CELERON® J1900 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



KBox M-100

FANLESS INDUSTRIAL BOX PC WITH INTEL® CELERON® J1900 PROCESSOR

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

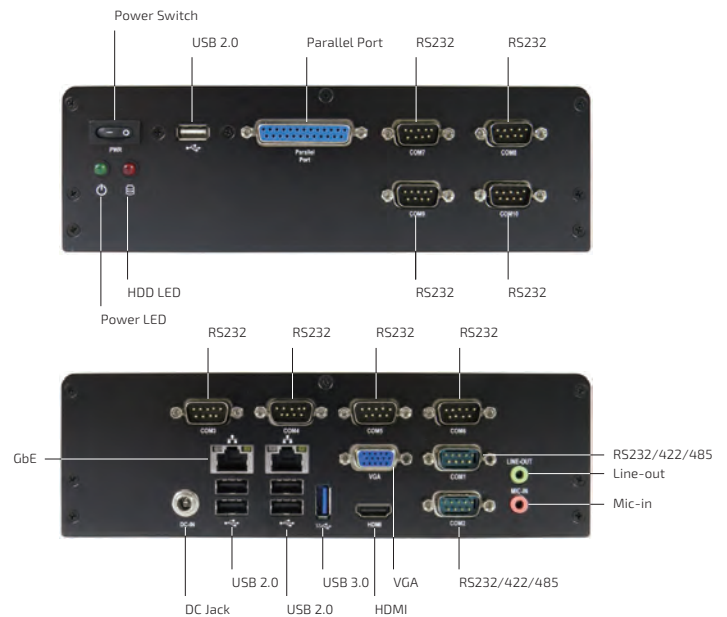
The system is supported with 2x DDR3L SO-DIMM. Featured are 2x

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.

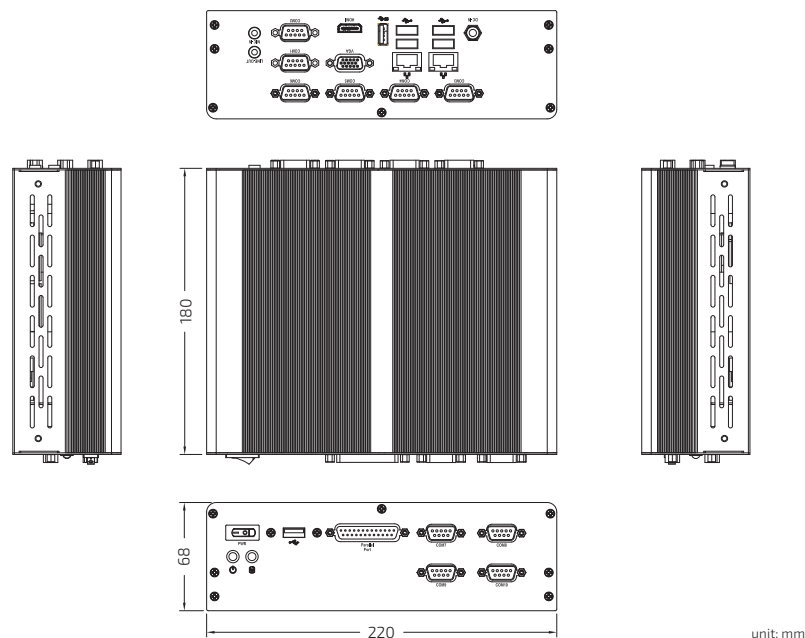
KBox M-100 provides high performance, reliability for harsh environments, compact size, noiseless operation and is highly suited to a wide range of industrial applications.

PRODUCT HIGHLIGHTS

- ▶ Intel® Celeron® J1900 processor
- ▶ 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 for USB device connection
- ▶ 2x RS232/422/485, 8x RS232 for serial device connection
- ▶ 1x Parallel Port for parallel device connection
- ▶ 1x 2.5" SATA HDD / SSD, 1x mSATA for storage
- ▶ Passive cooling design
- ▶ Extended input voltage range: DC 12 V ~ 24 V



MECHANICAL DIMENSIONS



unit: mm

► 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	SATA mSATA	1x 2.5" SATA 2.0 HDD / SSD 1x mSATA (full size)
POWER	INPUT VOLTAGE CONNECTOR	DC 12 V ~ 24 V Lockable DC Jack (on rear)
FIRMWARE	BIOS WATCHDOG H/W MONITOR REAL TIME CLOCK SECURITY	AMI uEFI BIOS w/ 64 Mb SPI Flash Programmable WDT to generate system reset event Voltages, Temperatures SoC integrated RTC TPM 1.2 (optional, Infineon SLB 9635)
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, Windows 10
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	OPERATING 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 Class A, FCC Class A

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox M-100	Intel® Celeron® J1900
ACCESSORIES	
POWER ADAPTER	Input: AC 100 V ~ 240 V, Output: DC 12 V
POWER CORD	EU / US / UK / JP / CN / AU type depending on country
WALL MOUNT KIT *	2x Wall mount bracket (length: 180 mm, hole distance: 130 mm)

The asterisk (*) means optional item.

► PRODUCT CONTACT POINT

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