KBox F-300-V1K

FOUR INDEPENDENT DISPLAYS SUPPORT

Ordered & Served at
Kontron Asia

BOX PC WITH
AMD RYZEN™ V1000 SERIES PROCESSORS

- 2x DP++, 2x DP for quadruple display support
- 3x GbE LAN for Ethernet
- 2x USB 3.1, 4x USB 2.0. 2x RS232/422/485, 4x RS232, 1x DIO for peripherals
- 1x 2.5" SATA 3.0 HDD / SSD support
- 1x mPCIe, 1x M.2 Key B, 1x M.2 Key M for SSD and wireless expansion

POSSIBILITIES START HERE kontron S&T Group

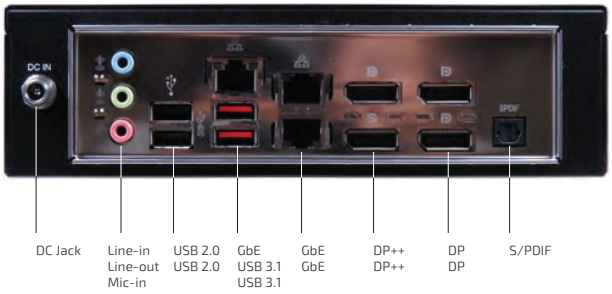
KBox F-300-V1K

BOX PC WITH AMD RYZEN™ V1000 SERIES PROCESSORS

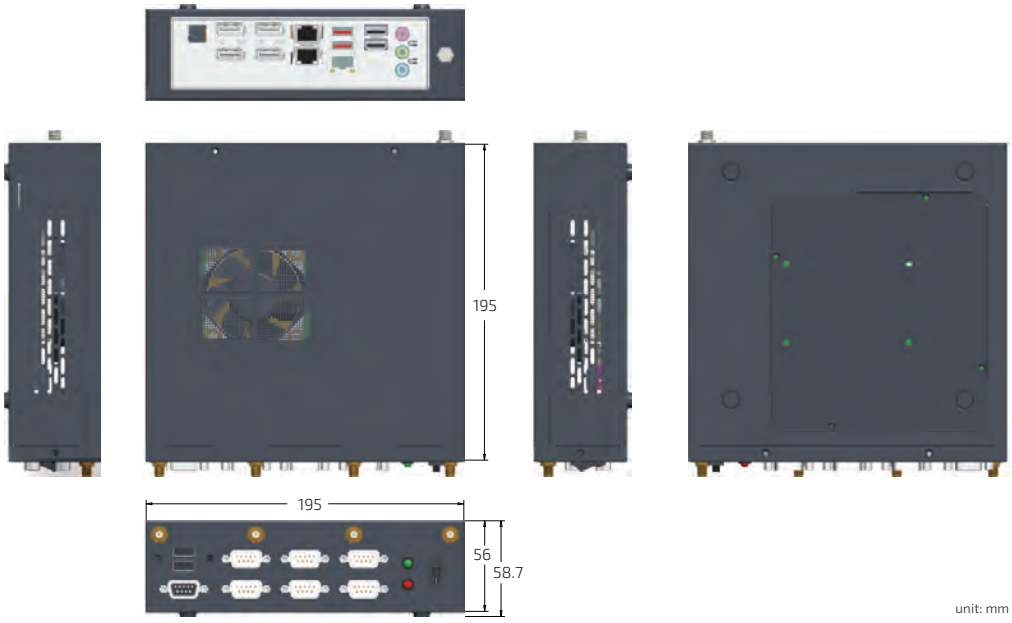
Kontron KBox F-300-V1K is a box PC powered by AMD Ryzen™ V1000 Series processors, supporting high-resolution displays with exceptional graphics. Equipped with two DP++ and two DP ports, it is easily configured to output contents to a 2x2 or 4x1 video wall without an additional graphics card. It is an ideal platform for digital signage, public information display, gaming, surveillance and process control.

PRODUCT HIGHLIGHTS

- AMD Ryzen™ V1000 Series Processors
- 2x DDR4 SO-DIMM memory socket
- 2x DP++, 2x DP for quadruple display support
- 3x GbE LAN for Ethernet
- 2x USB 3.1, 4x USB 2.0 for USB device connection
- 2x RS232/422/485, 4x RS232 for serial device connection
- 1x DIO for device / signal control
- 1x 2.5" SATA 3.0 HDD / SSD support
- 1x mPCIe for WLAN
- 1x M.2 Key B for SSD / WWAN
- 1x M.2 Key M for SSD



MECHANICAL DIMENSIONS



unit: mm

TECHNICAL INFORMATION

SYSTEM	PROCESSOR	AMD Ryzen™ V1807B (Quad Core, 4M Cache, up to 3.80 GHz, FP5, 45 W TDP) AMD Ryzen™ V1756B (Quad Core, 4M Cache, up to 3.60 GHz, FP5, 45 W TDP) AMD Ryzen™ V1605B (Quad Core, 4M Cache, up to 3.60 GHz, FP5, 15 W TDP) AMD Ryzen™ V1202B (Dual Core, 4M Cache, up to 3.20 GHz, FP5, 15 W TDP)
	MEMORY	2x DDR4 3200 SO-DIMM up to 32 GByte (V1807B & V1756B) 2x DDR4 2400 SO-DIMM up to 32 GByte (V1605B & V1202B)
VIDEO	GRAPHICS	AMD Radeon™ Vega 11 (V1807B) AMD Radeon™ Vega 8 (V1756B & V1605B) AMD Radeon™ Vega 3 (V1202B)
	DISPLAY INTERFACE	2x DP++ (on rear, 4096 x 2160 @ 60 Hz) 2x DP (on rear, 4096 x 2160 @ 60 Hz)
	MULTIPLE DISPLAY	Quadruple Display
AUDIO	AUDIO CODEC AUDIO INTERFACE	Realtek ALC662 1x Line-in (on rear) 1x Line-out (on rear) 1x Mic-in (on rear) 1x S/PDIF (on rear)
NETWORK CONNECTION	ETHERNET	3x GbE LAN (RJ45 on rear, 2x Intel® I211-AT, 1x Intel® I210-AT)
PERIPHERAL CONNECTION	USB	2x USB 3.1 (Type A on rear) 4x USB 2.0 (2x Type A on rear, 2x Type A on front)
	SERIAL PORT	2x RS232/422/485 (DB9 on front) 4x RS232 (DB9 on front)
	OTHER I/Os	1x DIO (DB9 female on front)
STORAGE & EXPANSION	SATA mPCIe M.2	1x 2.5" SATA 3.0 HDD / SSD 1x mPCIe (full size, mixed w/ PCIe x1 / USB 2.0) 1x M.2 Key B (type 2242 / 2280, mixed w/ USB 2.0 / PCIe x2, NVMe support) 1x M.2 Key M (type 2280, mixed w/ SATA 3.0)
	SIM CARD HOLDER	1x SIM Cage (on left, Micro type, linked to M.2 Key B)
POWER	INPUT VOLTAGE CONNECTOR	DC 12 V Lockable DC Jack (on rear)
FIRMWARE	BIOS WATCHDOG H/W MONITOR REAL TIME CLOCK TPM	AMI uEFI BIOS w/ SPI Flash Programmable WDT to generate system reset event Voltages, Temperatures SoC integrated RTC Supported (Infineon SLB 9665 TPM 2.0)
SYSTEM CONTROL & MONITORING	BUTTON, SWITCH & INDICATOR	1x Power Switch (on front) 1x Power LED (on front) 1x Storage LED (on front)
COOLING	FAN	1x CPU Smart Fan
SOFTWARE	OS SUPPORT	Windows 10
MECHANICAL	CONSTRUCTION DIMENSION (W x D x H) WEIGHT MOUNTING	Metal Chassis 195 mm x 195 mm x 56 mm / 7.68" x 7.68" x 2.20" 1,700 g / 3.75 lb VESA Mount
ENVIRONMENTAL	OPERATION TEMPERATURE STORAGE TEMPERATURE HUMIDITY	0 °C ~ 50 °C / 32 °F ~ 122 °F -20 °C ~ 80 °C / -4 °F ~ 176 °F 0 % ~ 95 %
CERTIFICATION	EMC & SAFETY	CE Class B, FCC Class B

ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox F-300-V1K-V1807B	AMD Ryzen™ V1807B
KBox F-300-V1K-V1756B	AMD Ryzen™ V1756B
KBox F-300-V1K-V1605B	AMD Ryzen™ V1605B
KBox F-300-V1K-V1202B	AMD Ryzen™ V1202B

ACCESSORIES

ARTICLE	PART NO.	DESCRIPTION
POWER ADAPTER	0I0902GST90A102L	Input: AC 90 V ~ 264 V, Output: DC 12 V @ 6.67 A, Max. 80 W
POWER CORD	0C50600000000020L	EU type
(depending on country)	0C50600000000030L	US type
	0C50600000000040L	UK type
	0C50600000000070L	JP type
	0C50600000000090L	CN type
	0C50600000000110L	AU type
VESA MOUNT KIT*	0ZMM7300S0000900	2x bracket with hole pattern: 75 mm x 75 mm / 100 mm x 100 mm

(*: Optional)

(ordered at Kontron Asia and all technical support, RMA and warranty will be provided by Kontron Asia)

PRODUCT CONTACT POINT

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