

KBox N-10x

LAN BYPASS FUNCTION SUPPORT



FANLESS NETWORK SECURITY APPLIANCE WITH INTEL® BAY TRAIL SOC PROCESSORS

- ▶ 1x VGA for display output
- ▶ 4x GbE LAN for Ethernet (2 ports with bypass function)
- ▶ 1x USB 3.0, 2x USB 2.0, 1x RS232 for peripheral connection
- ▶ 1x 2.5" SATA HDD / SSD, 1x mSATA for storage
- ▶ Passive cooling design

POSSIBILITIES START HERE



kontron

KBox N-10x

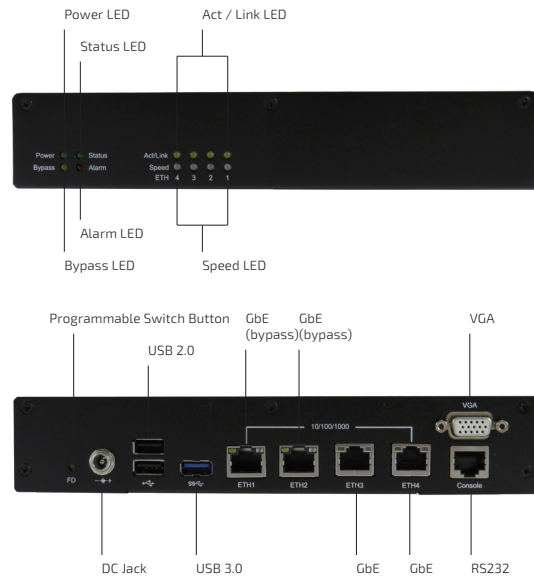
FANLESS NETWORK SECURITY APPLIANCE WITH INTEL® BAY TRAIL SOC PROCESSORS

KBox N-10x is a fanless network security appliance based on Intel® Bay Trail SoC Processor. Equipped with four GbE LAN ports of which two support LAN bypass function, KBox N-10x can instantly pass the link to the next available paths in case of a single point of

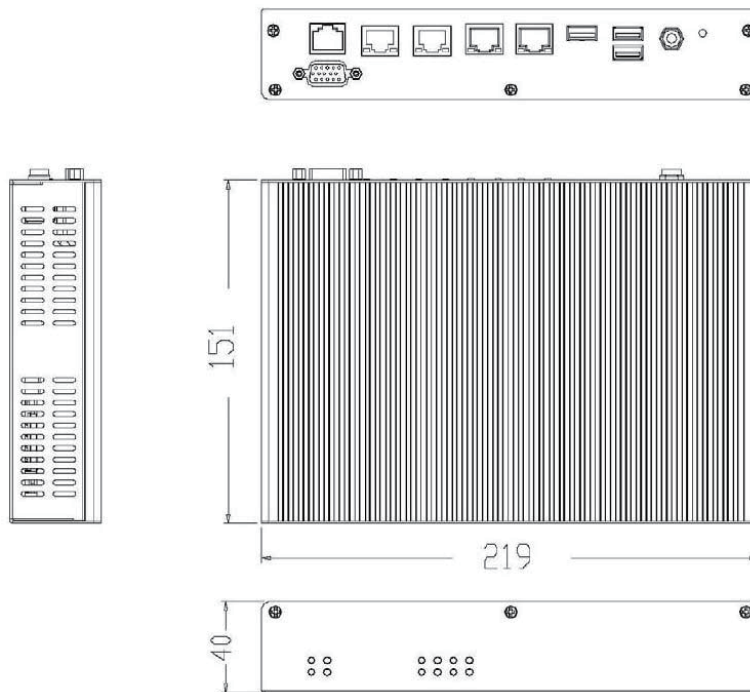
network failure. It is therefore suitable for the enterprises who want to build a network redundancy to ensure maximum uptime and availability for network-based applications.

▶ PRODUCT HIGHLIGHTS

- ▶ Intel® Bay Trail SoC Processors
- ▶ 2x DDR3L SO-DIMM memory socket
- ▶ 1x VGA for video output
- ▶ 4x GbE LAN for Ethernet
- ▶ LAN bypass function support (LAN1 & LAN2)
- ▶ 1x USB 3.0, 2x USB 2.0, 1x RS232 for peripheral connection
- ▶ 1x 2.5" SATA HDD / SSD, 1x mSATA for storage
- ▶ Passive cooling design
- ▶ Friendly LED indicators



▶ MECHANICAL DIMENSIONS



unit: mm

► TECHNICAL INFORMATION

SYSTEM	PROCESSOR	Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170, 10 W TDP)
	MEMORY	Intel® Atom® E3825 (Dual Core, 1M Cache, 1.33 GHz, FCBGA1170, 6 W TDP) 2x DDR3L 1333 SO-DIMM up to 8 GByte (Celeron® J1900) 1x DDR3L 1067 SO-DIMM up to 8 GByte (Atom® E3825)
VIDEO	GRAPHICS DISPLAY INTERFACE	Intel® HD Graphics 1x VGA (on rear, 2560 x 1600 @ 60 Hz)
NETWORK CONNECTION	ETHERNET	4x GbE LAN (RJ45 on rear, Intel® I210-AT, LAN1 & LAN2 Bypass, PXE support)
PERIPHERAL CONNECTION	USB	1x USB 3.0 (Type A on rear)
	SERIAL PORT	2x USB 2.0 (Type A on rear) 1x RS232 (RJ45 on rear, console redirection support)
STORAGE & EXPANSION	SATA mSATA	1x 2.5" SATA HDD / SSD 1x mSATA (full size)
POWER	INPUT VOLTAGE CONNECTOR	DC 9 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 or LAN bypass Voltages, Temperatures SoC integrated RTC TPM 1.2 (Infineon SLB 9660)
SYSTEM CONTROL & MONITORING	BUTTON, SWITCH & INDICATOR	1x Programmable Switch Button (on rear, GP input support) 1x Power LED (on front, green) 1x Status LED for GP output (on front, green) 1x Alarm LED for GP output (on front, red) 1x Bypass LED (on front, yellow) 4x Act / Link LED for LAN1 ~ LAN4 (on front, green) 4x Speed LED for LAN1 ~ LAN4 (on front, 10: off / 100: green / 1000: yellow)
COOLING	COOLING METHOD	Passive
SOFTWARE	OS SUPPORT	Windows 7, Windows 8, Windows 10, Linux
MECHANICAL	CONSTRUCTION DIMENSIONS (W x D x H) WEIGHT	Aluminum Chassis 219 mm x 151 mm x 40 mm / 8.62" x 5.94" x 1.57" 1420 g / 3.13 lb
ENVIRONMENTAL	OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY	0 °C ~ 45 °C / 32 °F ~ 113 °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 N-100	Intel® Celeron® J1900, 2x DDR3L SO-DIMM
KBox N-101	Intel® Atom® E3825, 1x DDR3L SO-DIMM

ACCESSORIES

ARTICLE	DESCRIPTION
POWER ADAPTER	Input: AC 90 V ~ 264 V, Output: 12 V, 40 W
POWER CORD	EU, US, UK, JP, CN or AU type depending on country

(* : Optional)

▶ PRODUCT CONTACT POINT

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