

KBox N-100

LAN BYPASS FUNCTION SUPPORT



FANLESS NETWORK SECURITY APPLIANCE WITH INTEL® BAY TRAIL SOC PROCESSOR

- ▶ 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

KBox N-100

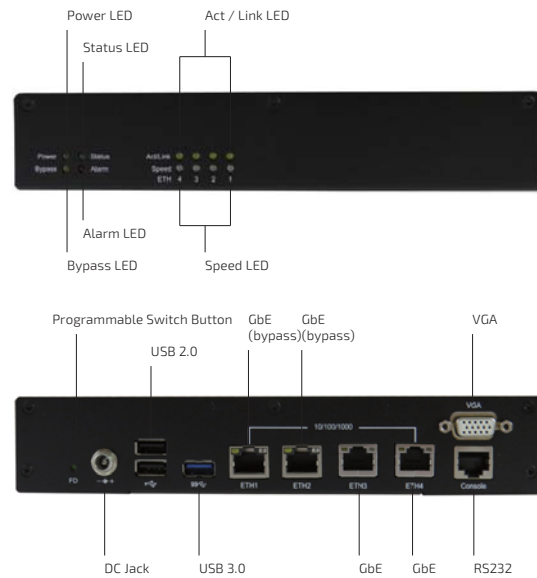
FANLESS NETWORK SECURITY APPLIANCE WITH INTEL® BAY TRAIL SOC PROCESSOR

KBox N-100 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-100 can instantly pass the link to the next available paths in case of a single point of

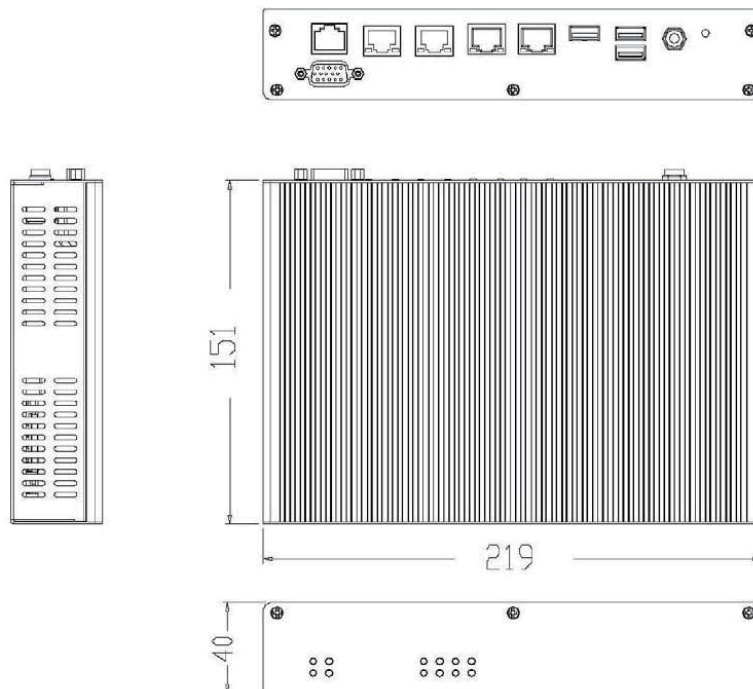
network failure. It is therefore suitable for the enterprises who want to build a network redundancy to ensure maximum uptime and availability for network-based applications.

▶ PRODUCT HIGHLIGHTS

- ▶ Intel® Bay Trail SoC Processor
- ▶ 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 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	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 Serial Port	1x USB 3.0 (Type A on rear) 2x USB 2.0 (Type A on rear) 1x RS232 (RJ45 on rear, console redirection support)
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 9 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 or LAN bypass Voltages, Temperatures SoC integrated RTC Supported (Infineon SLB 9635 TPM 1.2)
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, 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	Operation 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, FCC Class A

▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox N-100	Intel® Celeron® J1900

▶ GLOBAL HEADQUARTERS

KONTRON S&T AG

Lise-Meitner-Str. 3-5
86156 Augsburg, Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com
www.kontron.com