

KBox N-Series

Network Security Appliance

KBox N-Series is designed to manage network security and / or monitoring operations, such as intrusion prevention, anti-virus, web filtering, application control, spam blocking and IP reputation lookup, to secure the normal operation of a critical business system based on network. Partial models support LAN bypass function, allowing users to build a network redundant mechanism into their network infrastructure to ensure continuity of communication and data flow in case of a single point of network failure.



- Low-power processors: Intel® Atom® C3000 Series, Atom® E3800 Series & Celeron® J1900
- Fanless design
- Up to 6x GbE LAN port
- LAN bypass support (partial models)
- Friendly network status LED indicators



About Kontron

Kontron is a global leader in IoT / Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: www.kontron.com

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About the Intel® Partner Alliance

From modular components to market-ready systems, Intel and the over 1,000+ global member companies of the Intel® Partner Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-in-market solutions.

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kontron

Network Security Appliance To Protect Assets From Cybersecurity Threats

➤ Network Security & Monitoring Applications

Intrusion prevention, anti-virus, web filtering, application control, spam blocking, IP reputation lookup ...

➤ Flexible Network Resource Allocation

Up to 6x GbE LAN

➤ Network Redundancy

Up to 2 pairs of LAN bypass functionality

kontron

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KBox N-200 Series

PROCESSOR	Intel® Atom® C3338 (2C, 4M, 1.5 / 2.2 GHz, 9 W)
MEMORY	1x DDR4 1866 SO-DIMM
GRAPHICS CONTROLLER	-
GRAPHICS INTERFACE	-
ETHERNET	4x GbE LAN (RJ45 on rear, Marvell 88E1543)
USB	2x USB 3.2 Gen 1 (Type A on front)
SERIAL PORT	1x RS232 (DB9 on rear)
SATA	-
mSATA / mPCIe	1x mSATA / mPCIe (full size, w/ USB 2.0 / PCIe x1 / SATA)
M.2	1x M.2 Key B (2242 / 3042, USB 2.0 / PCIe x2 / SATA / UIM) 1x M.2 Key M (2242 / 2280, w/ PCIe x4 / SATA)
SIM CARD HOLDER	1x SIM Card Holder (Micro type)
INPUT VOLTAGE	DC 12 V ~ 19 V (Lockable DC Jack on rear)
SECURITY	TPM 2.0 (Infineon SLB 9665, optional)
COOLING	Passive
DIMENSIONS (W x D x H)	165 mm x 109.4 mm x 40.2 mm / 6.50" x 4.31" x 1.58"
OPERATING TEMPERATURE	0 °C ~ 45 °C / 32 °F ~ 113 °F
COMPLIANCE	CE Class B, FCC Class B



KBox N-110 Series

PROCESSOR	Intel® Atom® C3338 (2C, 4M, 1.5 / 2.2 GHz, 9 W) Intel® Atom® C3538 (4C, 8M, 2.10 GHz, 15 W)
MEMORY	1x DDR4 1866 UDIMM (Atom® C3338) 2x DDR4 1866 UDIMM (Atom® C3538)
GRAPHICS CONTROLLER	RDC® C6139
GRAPHICS INTERFACE	1x VGA (on rear, 1024 x 768 @ 60 Hz)
ETHERNET	6x GbE LAN (RJ45 on rear, LAN3 & LAN4 Bypass, LAN5 & LAN6 Bypass) LAN1 & LAN2: Intel® I210-AT LAN3 ~ LAN6: Intel® Denverton SoC Ethernet Controller
USB	2x USB 3.2 Gen 1 (Type A on rear)
SERIAL PORT	1x RS232 (RJ45 on rear, console redirection support)
SATA	-
mSATA / mPCIe	1x mSATA / mPCIe (full size, w/ PCIe x1 / SATA / USB 2.0 / UIM)
M.2	1x M.2 Key A (w/ PCIe x1) 1x M.2 Key B (w/ SATA / USB 2.0 / UIM)
SIM CARD HOLDER	1x Micro SIM Card Holder (Micro Type)
INPUT VOLTAGE	DC 12 V ~ 19 V (Lockable DC Jack on rear) DC 19 V ~ 36 V (2-pin Terminal Block on rear)
SECURITY	TPM 2.0 (Infineon SLB 9665, optional)
COOLING	Passive
DIMENSIONS (W x D x H)	219 mm x 151 mm x 40 mm / 8.62" x 5.94" x 1.57" (DC Jack model) 219 mm x 151 mm x 45 mm / 8.62" x 5.94" x 1.77" (Terminal Block model)
OPERATING TEMPERATURE	0 °C ~ 45 °C / 32 °F ~ 113 °F (Standard) 0 °C ~ 65 °C / 32 °F ~ 149 °F (Extended)
COMPLIANCE	CE Class B, FCC Class B



KBox N-100 Series

PROCESSOR	Intel® Celeron® J1900 (4C, 2M, 2.0 / 2.42 GHz, 10 W) Intel® Atom® E3825 (2C, 1M, 1.33 GHz, 6 W)
MEMORY	2x DDR3L 1333 SO-DIMM (Celeron® J1900) 1x DDR3L 1067 SO-DIMM (Atom® E3825)
GRAPHICS CONTROLLER	Intel® HD Graphics
GRAPHICS INTERFACE	1x VGA (on rear, 2560 x 1600 @ 60 Hz)
ETHERNET	4x GbE LAN (RJ45 on rear, Intel® I210-AT, LAN1 & LAN2 Bypass)
USB	1x USB 3.2 Gen 1 (Type A on rear) 2x USB 2.0 (Type A on rear)
SERIAL PORT	1x RS232 (RJ45 on rear, console redirection support)
SATA	1x 2.5" SATA 3.0 HDD / SSD
mSATA / mPCIe	1x mSATA / mPCIe (full size, w/ PCIe x1 / SATA / USB 2.0 / UIM)
M.2	1x mSATA (full size)
SIM CARD HOLDER	-
INPUT VOLTAGE	DC 9 V ~ 24 V (Lockable DC Jack on rear)
SECURITY	TPM 1.2 (Infineon SLB 9660)
COOLING	Passive
DIMENSIONS (W x D x H)	219 mm x 151 mm x 40 mm / 8.62" x 5.94" x 1.57"
OPERATING TEMPERATURE	0 °C ~ 45 °C / 32 °F ~ 113 °F
COMPLIANCE	CE Class A, FCC Class A



Learn more about Kontron KBox N-Series visit:
www.kontron.com/en/products/systems/embedded-box-pc/kbox-n-series/c152076