

MINI BOX PC KBox P-SERIES

About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

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

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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PRODUCT CONTACT POINT

Kontron Asia Inc.

4F, No. 415, Ti-Ding Blvd., Sec. 2,
Neihu District, Taipei, Taiwan 114741
Tel.: +886 2 2799 2789
Fax: +886 2 2799 7399
SalesAsia@kontron.com

www.kontron.com



- ▶ **ULTRA MINI SIZE**
Around 0.4 liters
- ▶ **PASSIVE COOLING**
Fanless design
- ▶ **RELIABLE STORAGE**
mSATA SSD support

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KBox P-SERIES MINI BOX PC



The biggest highlight of Kontron's fanless KBox P-Series is its ultra mini size that can be held with the palm of one's hand, suitable for extreme space critical applications.



// KBox P-Series

KBox P-SERIES MINI BOX PC



KBox P-10x

PROCESSOR	Intel® Atom® E3825 (Dual Core, 1M Cache, 1.33 GHz, FCBGA1170, 6 W TDP) Intel® Celeron® N2930 (Quad Core, 2M Cache, up to 2.16 GHz, FCBGA1170, 7.5 W TDP) Intel® Celeron® N2807 (Dual Core, 1M Cache, up to 2.16 GHz, FCBGA1170, 4.3 W TDP)
MEMORY	1x DDR3L 1067 SO-DIMM up to 4 GByte (Model w/ E3825, N2807) 1x DDR3L 1067 SO-DIMM up to 8 GByte (Model w/ N2930)
INTEGRATED GRAPHICS UNIT	Intel® HD Graphics
VIDEO OUTPUT INTERFACE	1x HDMI (on rear, 1920 x 1080 @ 60 Hz) 1x VGA (on rear, 2560 x 1600 @ 60 Hz) Dual display support
AUDIO CODEC	Realtek ALC662
AUDIO INTERFACE	1x Line-out / Mic-in (on front)
NETWORK	1x GbE LAN (RJ45 on rear, Realtek RTL8111G)
USB PORT	1x USB 3.0 (Type A on front) 2x USB 2.0 (Type A on rear)
SERIAL PORT	1x RS232/422/485 (DB9 on rear)
STORAGE	1x mSATA (full size) 1x Micro-SD Cage (on front, model w/ Atom® E3825)
EXPANSION	1x mPCIe (full size, linked to SIM cage)
POWER SUPPLY	DC 12 V
SECURITY	TPM 1.2 (optional, Infineon SLB 9635)
COOLING	Passive
OPERATING SYSTEM	Windows 7, Windows 8, Windows 10, Linux
DIMENSIONS	151 mm x 81 mm x 33 mm / 5.94" x 3.19" x 1.30"
MOUNTING	VESA Mount
OPERATING TEMPERATURE	0 °C ~ 50 °C / 32 °F ~ 122 °F (Standard) -20 °C ~ 70 °C / -4 °F ~ 158 °F (Extended)
COMPLIANCE	CE Class A, FCC Class A