



Industrial Box PC platform for deep learning based edge analytics and IIOT applications.

HIGHLIGHTS

- NVIDIA Jetson Xavier NX Processor
- Supercomputer performance in Box PC form factors
- AI Ready for deep neural networks (21 TOPS)
- Process 32 Full-HD video streams with Deepstream SDK
- 8 GB 128-bit LPDDR4x RAM
- 4K Video Decode & Display
- Industrial IO options (RS232/485, CAN, Digital I/O)
- High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- Low power operation (<15 Watts)
- Ideal for size and power constrained systems
- Fanless and robust design for 7/24 operation
- Individual configurations and ODM branding

TECHNICAL SPECIFICATIONS

CPU	Six-core NVIDIA Carmel ARM® v8.2 64-bit
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GPU	NVIDIA Volta™ GPU with 48 Tensor Cores
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Memory	8 GB 128-bit LPDDR4x
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Graphics Interfaces	1xHDMI 2.0(max resolution 3840x2160)
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Interfaces	1x Gigabit Ethernet 2x USB 3.1 Type-A, 1x CAN Bus 1x RS232/422/485 (software configurable) 2 Digital Input / 4 Digital Output
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Wireless Communication	WiFi/Bluetooth/LTE Connectivity by extension sockets
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Power Supply	9-28 VDC
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Internal Extension Sockets	1x miniPCIE, 1x M.2 Type-B Key, 1x microSD
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Internal Mass Storage	16 GB eMMC 5.1 Flash, 1x M.2 SSD Slot
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Ambient Conditions	-25°C ... +65°C
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Form Factor / Dimensions	110 mm x 130 mm x 60 mm
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Operating Systems	Ubuntu Linux 18.04
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CONNECTIVITY OPTIONS



ORDERING INFORMATION

DSBOX-NX2-AA DSBOX-NX2 with standard Industrial IO options

DSBOX-NX2-AB DSBOX-NX2 without CAN bus - with 4 Digital Inputs/4 Digital Outputs

DSBOX-NX2-AA-SS DSBOX-NX2-AA with SS sized M.2 SSD

DSBOX-NX2-AB-SS DSBOX-NX2-AB with SS sized M.2 SSD

DSBOX-NX2-XX-P DSBOX-NX2 with Power Button option

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