

# DSBOX-XV2

AGX XAVIER INDUSTRIAL BOX PC



## HIGHLIGHTS

- › Supports NVIDIA Jetson AGX Xavier SOM
- › AI ready for edge analytics with 32 TOPS AI performance
- › 4K Video Display (HDMI 2.0)
- › Industrial IO options (RS232/485, CAN Bus, Digital I/Os)
- › Rich extension options (M.2 Key E, M.2 Key M)
- › High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- › Robust design for 7/24 operation
- › Wide voltage input range
- › Extended temperature range

## TECHNICAL SPECIFICATIONS

<b>Supported Modules</b>	NVIDIA Jetson AGX Xavier 32GB NVIDIA Jetson AGX Xavier 64GB NVIDIA Jetson AGX Xavier Industrial 32GB
<b>Memory</b>	32 / 64 GB 256-bit LPDDR4x
<b>Graphics Interfaces</b>	1x HDMI 2.0(max resolution 3840x2160)
<b>Interfaces</b>	1x Gigabit Ethernet 2x USB 3.1 Type-A 1x CAN Bus 1x RS232/422/485 (software configurable) 2x Type-C (Debug/Recovery) 2x Digital Input, 3x Digital Output
<b>Wireless Communication</b>	WiFi/Bluetooth Connectivity by extension sockets
<b>Power Supply</b>	18-30 VDC
<b>Extension Sockets</b>	1x M.2 Key-E, 1x MicroSD
<b>Mass Storage</b>	32 / 64 GB eMMC 5.1 Flash 1x M.2 Key-M SSD Slot
<b>Ambient Conditions</b>	-25°C ... +85°C
<b>Form Factor / Dimensions</b>	160 mm x 110 X 95 mm 1340gr
<b>Operating Systems</b>	Ubuntu Linux 18.04 / 20.04
<b>JetPack Support</b>	JetPack 4.x (4.4.1 / 4.5 / 4.5.1 / 4.6 / 4.6.1 / 4.6.2 / 4.6.3) JetPack 5.x (5.0.2 / 5.1)

DSBOX-XV2 is a powerful edge computing device designed for industrial applications that require high processing power and reliability. It is powered by the NVIDIA Jetson AGX Xavier module, which features an NVIDIA Volta GPU with 512 CUDA cores and an eight-core ARM64 CPU. This provides DSBOX-XV2 the processing power required for complex industrial applications such as machine learning, computer vision, and AI.

The DSBOX-XV2 features a rugged and compact design optimized for harsh industrial environments. It is built with an aluminum chassis that provides excellent heat dissipation and protection against dust, shock, and vibration. It also has a wide operating temperature range (-25°C to 60°C) and a wide input voltage range (18V to 32V) to ensure reliable operation in various industrial environments. DSBOX-XV2 is a powerful and reliable edge computing device that is well-suited for industrial applications that require high processing power and ruggedness. Its combination of powerful hardware and software development tools makes it a versatile solution for a wide range of industrial applications.



Transportation



Robotics



Agriculture



Manufacturing



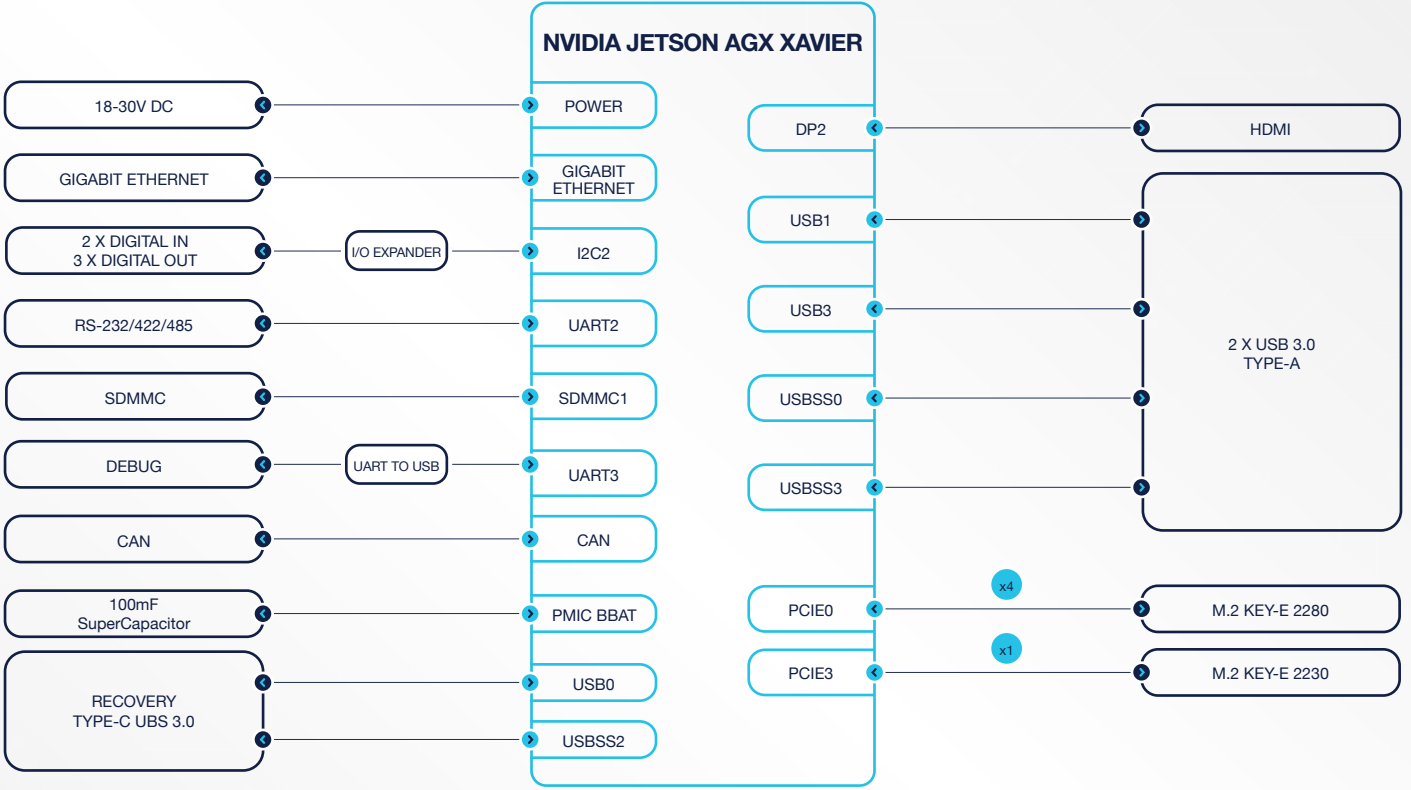
Security and Surveillance



Smart City



## BLOCK DIAGRAM



## ORDERING INFORMATION

<b>DSBOX-XV2-AA</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 32GB
<b>DSBOX-XV2-AA-250</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 32GB and 250GB SSD
<b>DSBOX-XV2-AA-500</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 32GB and 500GB SSD
<b>DSBOX-XV2-AA-1000</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 32GB and 1000GB SSD
<b>DSBOX-XV2-AA-2000</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 32GB and 2000GB SSD
<b>DSBOX-XV2-AB</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 64GB
<b>DSBOX-XV2-AB-250</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 64GB and 250GB SSD
<b>DSBOX-XV2-AB-500</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 64GB and 500GB SSD
<b>DSBOX-XV2-AB-1000</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 64GB and 1000GB SSD
<b>DSBOX-XV2-AB-2000</b>	DSBOX-XV2 Industrial Box PC with Jetson AGX Xavier 64GB and 2000GB SSD

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