

DSBOARD-XV2

INDUSTRIAL GRADE AGX XAVIER CARRIER BOARD

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

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|---------------------------------|---|
| Supported Modules | NVIDIA Jetson AGX Xavier 32GB NVIDIA Jetson AGX Xavier 64GB NVIDIA Jetson AGX Xavier Industrial 32GB |
| Memory | 32 / 64 GB 256-bit LPDDR4x |
| Graphics Interfaces | 1x HDMI 2.0(max resolution 3840x2160) |
| Interfaces | 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 6X CSI 2-LANE |
| Wireless Communication | WiFi/Bluetooth Connectivity by extension sockets |
| Power Supply | 18-30 VDC |
| Extension Sockets | 1x M.2 Key-E, 1x MicroSD, 1x 5V Fan 1x PCIE(x8), 1x PCIE(x1), 1x CAN 1x UART, 1x SPI, 1x I2C, 1x DP |
| Mass Storage | 32 / 64 GB eMMC 5.1 Flash 1x M.2 Key-M SSD Slot |
| Ambient Conditions | -25°C ... +85°C |
| Form Factor / Dimensions | 100 mm x 100 mm, 103gr |
| Operating Systems | Ubuntu Linux 18.04 / 20.04 |
| JetPack Support | JetPack 4.x / 5.x |



DSBOARD-XV2 is the perfect edge computing device for industrial applications that require high processing power and reliability. Powered by the NVIDIA Jetson AGX Xavier module with a Volta GPU and an eight-core ARM64 CPU, it offers up to 32 TOPS of compute performance for deep learning and computer vision tasks. The device also boasts multiple connectivity options, including Gigabit Ethernet, Wi-Fi, Bluetooth, and USB 3.2, as well as M.2 expansion slots and a microSD card slot for storage expansion. Its wide operating temperature and input voltage range make it highly adaptable to various industrial environments, from robotics to transportation, security, and surveillance.

Compact yet rugged, the DSBOARD-XV2 is built to withstand even the toughest industrial conditions, making it an ideal choice for applications that require both high-performance computing and reliable connectivity. So whether you're working in industrial automation, healthcare, or any other industrial field, the DSBOARD-XV2 is the edge computing device you need to take your applications to the next level.



Transportation



Robotics



Agriculture



Manufacturing



Security and Surveillance



Smart City

