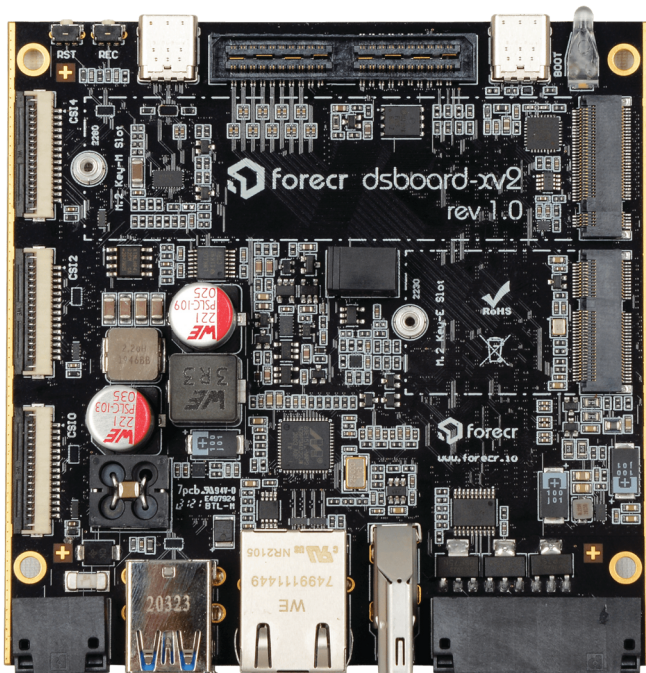




Cost-effective carrier board based on NVIDIA Jetson AGX Xavier processor modules for edge analytics.

HIGHLIGHTS

- Supports NVIDIA Jetson AGX Xavier SOM
- AI ready for edge analytics and multi-stream deep learning applications
- 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 power design
- Wide voltage input range
- Extended temperature range
- Ideal for size and power constrained systems
- Robust design for 7/24 operation

TECHNICAL SPECIFICATIONS

Supported Modules	NVIDIA Jetson AGX Xavier 32GB NVIDIA Jetson AGX Xavier 64GB NVIDIA Jetson AGX Xavier Industrial
Memory	32 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 USB-C (Debug/Recovery) Digital IO (3 OUT / 2 IN)
Wireless Communication	WiFi/Bluetooth/LTE/5G Connectivity by extension sockets

Power Supply	18-32 VDC
Internal Extension Sockets	1x M.2 Key E 1x M.2 Key M (PCIe Gen4 x4) 6x MIPI CSI-2
Internal Mass Storage	32 GB eMMC 5.1 Flash 1x MicroSD
Ambient Conditions	-25°C ... +85°C
Form Factor / Dimensions	100 mm x 100 mm
Operating Systems	Ubuntu Linux 18.04 / 20.04

ORDERING INFORMATION

DSBOARD-XV2-AA DSBOARD-XV2 without SOM module

DSBOARD-XV2-AB DSBOARD-XV2 with NVIDIA Jetson AGX Xavier 32GB SOM module

DSBOARD-XV2-AC DSBOARD-XV2 with NVIDIA Jetson AGX Xavier Industrial SOM module

DSBOARD-XV2-AD DSBOARD-XV2 with NVIDIA Jetson AGX Xavier 64GB SOM module

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