

Specifications

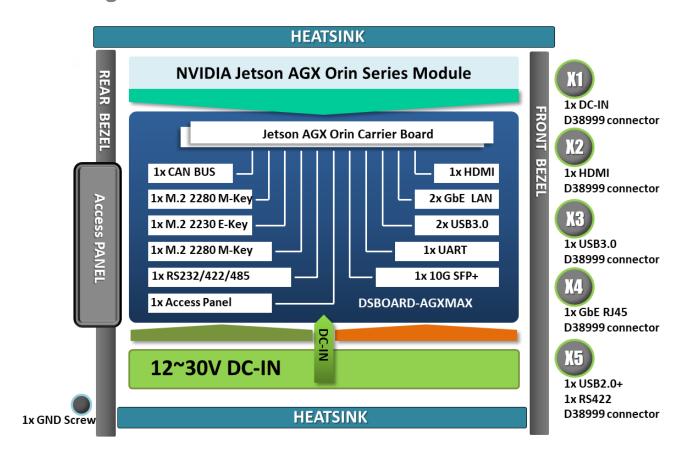
SYSTEM

High Performance Processor	Ampere GPU + Arm Cortex-A78AE CPU + 64GB LPDDR5 + 64GB eMMC 5.1
	64GB: Two graphics processing cluster (GC) eight texture processing
GPU	clusters (TPC) 2048 NVIDIA® CUDA® cores 64 Tensor cores Ray-Tracing
	cores 170 Sparse TOPS Maximum Operating Frequency: 1.3 GHz
Al Performance	64GB: Up to 275 Sparse TOPS (INT8)
Memory Type	Jetson AGX Orin 64GB: 64GB 256-bit LPDDR5 DRAM
EXPANSION SL	от
Expansion Slot	1 x M.2 Key-B, 1 x SIM, 1 x MicroSD, 1 x 5V Fan
	1 x I2C, 2x UART, 1 x I2S, 2 x SPI, 1 x CAN
	1 x Camera Connector (6 CSI camera support)
DISPLAY	
Graphics Interfaces	1 x HDMI 2.0 (max resolution 3840 x 2160)
STORAGE	
M.2	1 x M.2 M-Key 256GB SSD Slot
	64 GB eMMC 5.1 Flash
ETHERNET	
Controller	2 x GLAN
FRONT I/O	
X1	DC 12-30 VDC
X2	1 x HDMI with D38999
X3	1 x USB3.1 with D38999
X4	1 x GbE LAN with D38999
X5	1 x USB2.0 + RS422 with D38999
REAR I/O	
Ground Screw	1
Debug Access Panel	1 x Reset Button
	1 x Recover Button
	1 x USB Type-C for Debug
	1 x USB Type-C for Recovery

1 x Boot LED

Power Requir	REMENT
Power Input	12V~30V
OPERATING SY	STEM
Operating System	Ubuntu 20.04 with JetPack 6.X
PHYSICAL	
Dimensions	250 x 325 x 100 mm (W x D x H)
Weight	TBD
Chassis	Aluminum AL6061
Heatsink	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color).
Cooling	Natural Passive Convection/Conduction. No Moving Parts
Ingress Protection	IP65
ENVIRONMENTA	AL .
MIL-STD-461 (Option	ns)
EMC	CE102 basic curve, 10kHz - 30 MHz
	RE102-4, (1.5 MHz) -30 MHz - 5 GHz
	RS103, 1.5 MHz - 5 GHz, 50 V/m equal for all frequencies
Reliability	No Moving Parts; Passive Cooling.
	Designed & Manufactured using ISO 9001/2000 Certified Quality Program
Operating Temp.	-20 to 50°C (ambient with air flow)
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing.

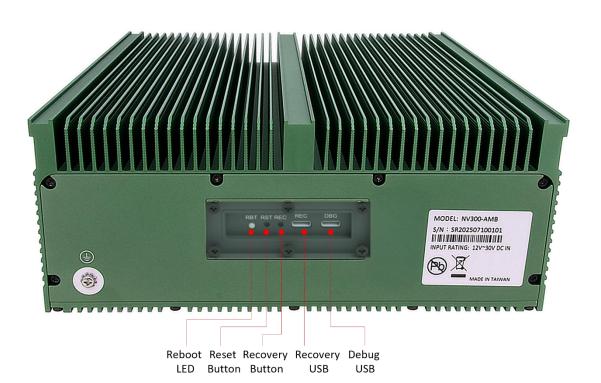
Block Diagram



Appearance







Dimension

