

### **KEY FEATURES**



# **Nvidia Edge AI engine**

NVIDIA® Jetson Orin AGX™ module (max. 275 TOPs)



### Rich I/O

1 10GLAN, 1G LAN, 2 USB 3.2 Gen1, 1 USB type B, 1 HDMI, 1 MicroSD, 1 CAN bus



### Wide Temperature

Ruggedized fanless design with -20  $\sim 60^{\circ}$ C operating temperature



# **Optional Wireless Expansions**

WiFi 6E, 4G/5G



# **Optional Video Capture**

1 x SDI, 1 x HDMI



## **OOB Support**

Optional OOB (out-of-band) support









#### **PANEL**





**Back View Side View** 

# **SPECIFICATION**

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SYSTEM	SOM	NVIDIA <sup>®</sup> Jetson Orin AGX <sup>™</sup> Industrial NVIDIA <sup>®</sup> Jetson Orin AGX <sup>™</sup> 64GB
		NVIDIA Jetson Orin AGX™ 32GB
	Processor	8/12-core Arm® Cortex®-A78AE v8.2 64-bit CPU
	GPU	2048-core NVIDIA Ampere architecture GPU with 64 Tensor Cores
	GPO	1792-core NVIDIA Ampere a GPU with 56 Tensor Cores
	Memory	64/32GB 256-bit LPDDR5
WATCHDOG TIMER	Output & Interval	Built-in NVIDIA® Jetson Orin™
GRAPHICS	Display	HDMI
STORAGE	Internal	M.2 2242/2280 M key (NVMe)
STORAGE	Internal	micro-SD card slot
EXPANSION	Onboard	1 x M.2 Key E 2230 slot (USB 2 +PClex1 signal) for Wi-Fi 6E 1 x M.2 Key B 3042/3052 slot (USB3 signal) for 5G/LTE with Nano SIM
ETHERNET	Controller	1x GbE RJ-45
		1x 10G RJ-45
LED	Indicators	1 x Power
CAMERA/	Video Capture	1 x SDI
VIDEO INTERFACE	(M.2 expansion)	1 x HDMI
	Camera Interface	8 x GMSL2 (MIPI SerDes)
FRONT I/O	Ethernet	1 x RJ45 GbE connector
		1 x RJ45 10G ethernet connector
	USB	2 x USB 3.2 Gen1
	Display	1 x HDMI
	DC in	1 x 2-pin power terminal block
SIDE I/O	USB	USB type B for OTG recovery
	Buttons	1 x Power, 1 x recovery
	SD	1 x MicroSD
	CAN bus	3-pin terminal block with transceiver
Antenna	Antenna	6 x antenna holes
POWER	Туре	12~54V DC
	Connector	1x DC Jack with lock
	RTC Battery	Yes
OS SUPPORT	Linux	Jetpack 6.2
MECHANISM	Mounting	Wall mount (mounting brackets and screws)
	Dimensions	Approx. 221mm x L: 200mm x H: 80mm
	Weight	4.2kg
ENVIRONMENT	Operating Temperature	-20°C to 60°C
	Storage Temperature	-40°C to 85°C
	Relative Humidity	5 to 95% RH (non-condensing)
STANDARDS AND	Shock	Operation:
CERTIFICATIONS		IEC 60068-2-27 Test Ea: Shock test
		Half-sine, 3G @ 11ms, 18 Shock ±X, ±Y, ±Z (each axis 3 times)
		Non- Operation:
		IEC 60068-2-27 Test Ea: Shock test
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Half-sine, 5G @ 11ms, 18 Shock ±X, ±Y, ±Z (each axis 3 times)
	Vibration	Operation:
		IEC 60068-2-64 Test Fh: Vibration board-band random test
		Random,2Grms @ 5~500 Hz, 30min.  Non- Operation:
		IEC 60068-2-6 Test Fc: Vibration Sinusoidal Test
		Sweep sine, 3Grms @ 10~500Hz, 30min.
	Certifciation	CE. FCC Class A. RoHS
	007 (11010(1011	OLJ   OC GROUP   NOTICE