ADLINK
LEADING EDGE COMPUTING

RQX-71G

Compact Edge AI Platform Powered by NVIDIA® Jetson Thor™

Features

- Extreme AI Performance: Embedded with NVIDIA Jetson T5000™/ Jetson T4000™ up to 2070 FP4 TFLOPS
- Rich High-Speed I/O: 1x QSFP28, USB 3.2, M.2 slots for Wi-Fi/5G/SSD, and 8x GMSL2 camera
- I/O for Robotics Applications: 8x GMSL2 camera, 4x CAN FD, 4x 1G for Lidar, and 2x 100M for Ethercat
- Industry-Grade Design: Designed for humanoid robot/ vision sensing system (VSS)/ autonomous mobile robot (AMR) applications

Preliminary



Canonical Ubuntu

ASD+

65°C
-20°C

Specifications

Model	RQX-71G
	NVIDIA Jetson T5000/Jetson T4000
AI Performance	Jetson T5000: 2070 TFLOPS Jetson T4000: 1200 TFLOPS
System	
GPU	Jetson T5000: 2560-core NVIDIA Blackwell architecture GPU with 96 fifth-gen Tensor Cores Jetson T4000: 1536-core NVIDIA Blackwell architecture GPU with 64 fifth-gen Tensor Cores
CPU	Jetson T5000: 14-core ARM Neoverse-V3AE @ 2.6 GHz Jetson T4000: 12-core ARM Neoverse-V3AE @ 2.6 GHz
Memory	Jetson T5000: 128GB LPDDR5X Jetson T4000: 64GB LPDDR5X
SSD (OS)	128GB
Front I/O Interfaces	
Display	1x Micro HDMI
LAN	2x 100M, 1x QSFP28
Camera	8x GMSL2 camera (2x Mini Fakra)
Serial	2x RS422/485
CAN	4x CAN FD
Audio	1x Audio
Back I/O Interface	
LAN	4x 1GbE
DIO/PWM	7 IN, 7 OUT, 4 PWMs
USB	2x USB-C
Button	1x power, 1x reset, 1x recovery
Internal	
Security	1x TPM2.0
Sensor	1x Thermal sensor
RTC	1x RTC Battery
Expansion	
mPCIe	1x mPCIe
M.2 B key	1x 3052 B-key (5G)
M.2 M-key	1x 2280 M-key NVMe
M.2 E key	1x 2230 E-key (Wi-Fi6) (can be supported by mPCIe to M.2 adapter board)
Mechanical	
Power Input	24 VDC
Power Type	Terminal Block
Internal pin header	1 x FAN
Dimensions	224 x 124 x 85 mm
Weight	TBD
Environmental	
Operating Temperature	-20°C to 65°C
Shock	IEC 60068-2-27. Operating: 20G, 11 ms duration, 3 axes, 3 times per axis
Vibration	IEC 60068-2-64: Random wave, Operating 1Grms, 5-500 Hz, 3 axes, 60 min/axis duration
EMC	CE : EN55032 Class B +EN55035 FCC: FCC Part 15B
Safety	CE-LVD; UL
Operating Humidity	95% @ 40°C (non-condensing)

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