

Airpath® V3 Edge



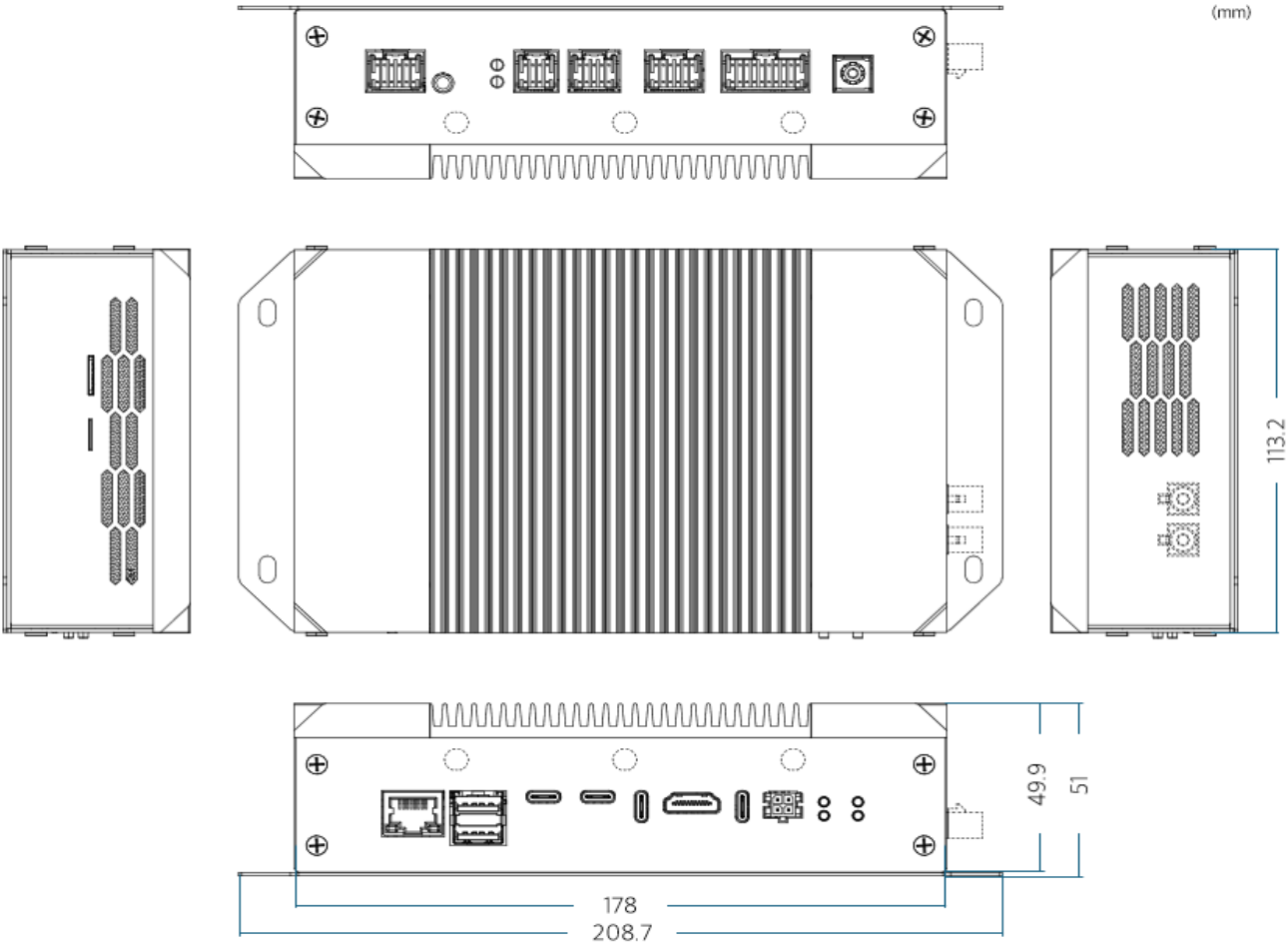
Qualcomm QCS8550 SoC Equipped (NPU, GPU, CPU Integrated)

- Kryo™ Octa-core/Adreno GPU + Qualcomm AI Engine
- Android 13, Ubuntu 22.04
- Max 48 TOPS (INT8)
- Embedded ROS2 (Humble) based AI Robotics Full-Stack
- Embedded AI Model Runtime & Optimization Frameworks (ONNX, TFLite, etc.)
- 5G Private/Public Onboard (Optional)
- Wi-Fi 6 / Bluetooth 5.2 (Optional)
- USB3.1
- Sensor Data Fusion + AI Vision (Camera, LiDAR, IMU, etc.)
- Cloud-Edge Hybrid Runtime Configuration
- Generative LLM & VLM Integration (SynaAI3b, ForestVoice)

Processor System	
CPU	Kyro™ CPU 64bit CPU Architecture Octa Cores 1 x Kryo Prime™ Core up to 3.36GHz 4 x Kryo Gold™ Cores up to 2.8GHz 3 x Kryo Silver™ Cores, up to 2.0GHz
GPU	Qualcomm® Adreno™ 740
NPU	Qualcomm® Hexagon™ Tensor Processor (HTP) With Hexagon™ Vector eXtensions (HVX) and Hexagon™ Matrix
Memory	LPDDR5 16GB
IO	
Ethernet	2 x RJ45 (1 Gbps)
Display	2 x DSI (HDMI 2.0) 1 x DP 1.4 over USB-OTG Port
USB	1 x USB 2.0 (Type C) 2 x USB 3.1 (Type A) 1 x USB 3.1 (Type C)
OTG USB	1 x USB 3.1 (Type C)
Audio Out	2 ch output x 5W (Ear Jack)
Storage	
Flash Memory	128GB UFS3.1 Onboard

	SD Card Slot
Power	
Input Voltage	12~ 48V, DC Jack
Environment	
Operating Temperature	-20° ~ + 60°
Mechanical	
Dimensions (W x D x H)	208 x 113 x 51 (mm) / Fixed Plate
Certification	
Korea	KC
S/W	
ROS	ROS2 (Humble)
OS	Supported (Gnome)
LLM (On Device)	sLLM(Llama 3.1 3B)
Qualcomm AI Hub	Supported
AI Tool Support	ONNX Runtime TensorFlow Lite PyTorch

Dimensions(mm)



Packing List

구성 품명	수량	비고
AIRPATH® V3 본체	1EA	
어댑터 (12V / 2.5A)	1EA	DC Plug: 2.5mm/5.5mm
Wi-Fi 안테나	2EA	무선 네트워크 통신용 (옵션)
제품설명서	1EA	종이 매뉴얼 또는 QR 안내 포함

Odering Information

Option	5G Network Support	Remarks
Standard	-	Without 5G Module
5G	Commercial 5G	Public Mobile Network
Private 5G	Private 5G	NR Band n79

INTEGRIT CO., Ltd
7F 45, Godeokbizvalley-ro 2-gil,
Gangdong-gu, Seoul
+02 02 2051 0978

Web site <https://airpath-mall.com/>
Email info@in-tegrit.com