

WMK-8524AI

AI@Edge Compact Fanless Embedded BOX PC with Google Edge TPU

Features

- GbE PoE/PD x 1
- USB3.2 Gen 1 x 2 & USB2.0 x 2
- Mic-in & Line-out
- Support MEMS x 2 (Optional)
- Built-in WiFi 2x2 MIMO (802.11b/g/n/ac 2.4/5GHz) & Bluetooth 4.1



Front view



Specifications

System

AI Accelerator	Google Edge TPU ML accelerator coprocessor
CPU	NXP i.MX 8M SoC (Quad-core Cortex-A53, plus Cortex-M4F)
Chipset	SoC
Memory	1GB LPDDR4x
BIOS	AMI SPI Flash BIOS
Storage	8GB eMMC
Mini-Card	M.2 2230 E-Key x 1 (PCIe)
I/O	
Front Panel	HDMI 2.0a x 1 USB Type A x 2 for USB3.2 Gen 1 USB Type A x 2 for USB2.0 RJ-45 x 1 for GbE LAN & PoE/PD(802.3at) 12Vdc (DC Jack w/lockable) Mic-in x 1 Line-out x 1 40-pin I/O x 1 (GPIO/I2C/SAI/SPI/UART/PWM) DB-9 x 1 for RS-232/485 OS Flash port x 1 (Micro USB)

	Micro-SD slot x 1
Indicator	Power LED x 1
OS support	ACLinux 4.0 (Compatible with Debian 10)
Net Weight	1.28 lbs. (0.58 kg)
Gross Weight	2.31 lbs. (1.05 kg)
Power Supply	DC
MTBF (hours)	TBD

Mechanical/ Environmental

Power Requirement	PoE/PD (802.3at) ,12Vdc (DC Jack w/lockable)
Storage temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Anti-Vibration	Random, 3.5Grms, 5~500Hz
Operating Temperature	23°F ~ 122°F (-5°C ~ 50°C, according to IEC60068-2 with 0.5 m/s airflow)
Humidity	95% @ 40°C, non-condensing
Dimensions	6.92" x 3.94" x 1.54" (175 .8 mm x 100 .0 mm x 39 .0 mm)

Ordering Information

AI ACCELERATOR	Google Edge TPU
POE/PD	1
USB	USB 3.2 Gen 1 x 2
RS-232/485	1
STORAGE	18GB eMMC
DISPLAY	HDMI x 1
CONSOLE	Wallmount
POWER	DC 12V
OPERATION TEMP	-5°C ~ 50°C with 0.5m/s airflow

Packing List

1 x DC power adapter 12V/5A or
12V/7A 1 x Power cord- US
1 x SATA cable

Optional Accessories

Part Number	Description
1702031803	Power Cord for EU
1702031802	Power Cord for US
125530060Z	AC/DC Adapter.DC.100/240V.12V.60W.5A.180D.W/Lock.FSP.FSP060-DHAN3/9NA0608078.W/UKCA mark
170203180E	Power Cord for Japan

Dimensions





