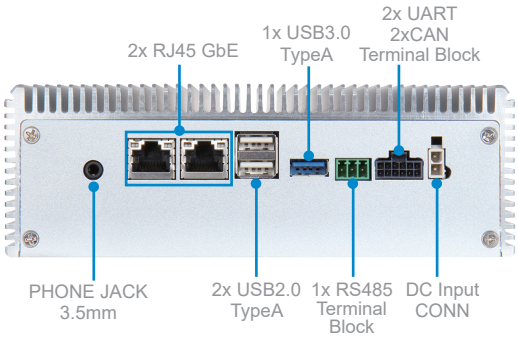
PEDB-6211



FEATURES

- Support NXP i.MX 8M Plus, 4 Core ARM Cortex A53 1.6GHz + 1 Core ARM Cortex M7 800MHz
- GC7000UL (2 shaders), OpenGL ES 2.0/3.0/3.1, Vulkan,OpenCL 1.2;GC520(2D)
- Onboard 4GB LPDDR4,1xSD Slot
- Support 2x 1 Gbe LAN ,1 x USB 3.0 Type A, 2 x USB 2.0 Type A, 1xHDMI, 1x RS-232/CAN, 1x RS-485
- Support 1xM.2 E Key, 1xM.2 B Key,TPM 2.0

General

Processor	NXP i.MX 8M Plus, Quad Arm Cortex-A53 @1.8GHzz + 1 Core ARM Cortex M7 800MHz
Memory	Support up to 4GB LPDDR4 on board
AI Accelerator	Hailo Hailo-8 (M.2 Key E)
Graphic Controller	GC7000UL (2 shaders), OpenGL ES 2.0/3.0/3.1, Vulkan, OpenCL 1.2;GC520(2D)

Rear I/O

Audio	1 x Audio Jack Line-out
Ethernet	2 x GbE
Serial Port	1 x COM Ports Support RS-232/CAN 2.0 1 x COM Ports Support RS-485
USB	1 x USB 3.2 Gen1 Type A 2 x USB 2.0 Type A
GPIO	1 x 4-bit Digital I/Os
Display	1 x HDMI 1.2 1920 x 1080@60Hz
Other	Power Button Reset Button
Antenna	4 x SMA Antenna holesfor Wi-Fi/LTE/
SIM Slots	1 x Nano-SIM

Expansion I/O

M.2	1 x B Key w/ USB 2.0 1 x E Key w/ Gen3 x1 and UART
SD	1 x micro SD socket
Security	TPM 2.0 (BOM Option)

Mechanical/Environment

Dimension(WxDxH)	415 x 182 x 280 mm (16.34" x 7.17" x 11.02")
Power Supply	AT mode/ ATX mode 15~30V
Mounting	Wall Mount
Vibration	IEC 60068-2-64
Shock	IEC-60068-2-27
IP Protection	whole enclosure
Operating Temperature	IEC-60068-2-27
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Cooling	Fanless
Relative Humidity	5% to 90%, non-condensing
OS	Yoto Poky 5.0, Linux Kernel 6.6.23