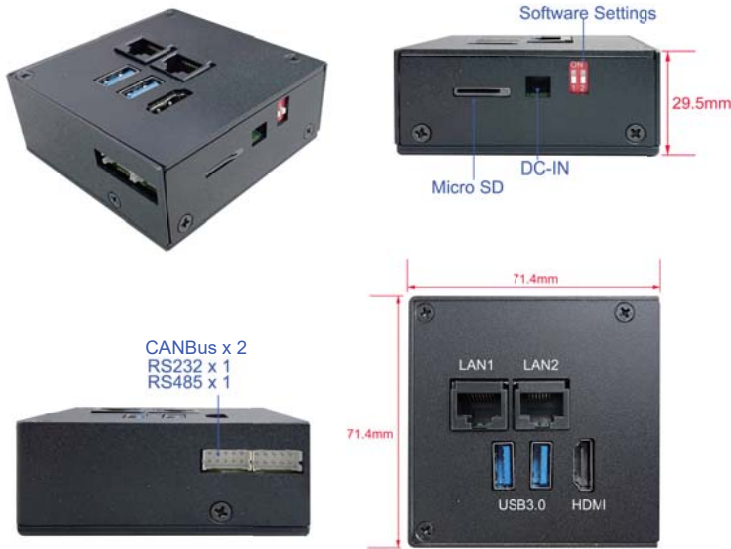


PALM-NEX-001

Compact Machine Learning & Edge Gateway Box PC with NXP® i.MX8M Plus solution



■ Features:

- NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz (NEX-8MP)
- LPDDR4, 4/8GB (NEX-8MP)
- 32GB eMMC 5.1 (NEX-8MP), expandable to 256GB
- HDMI® ; 2 x GbE ; 2 x USB 3.0 / 2.0
- 1 x Micro SD, 1 x RS232, 1 x RS485 ; 2 x CANBus



i.MX8M Plus
ARM CORTEX 4x A53 + M7

■ Specifications :

Model name	NEX-8MP + NEX-001	
CPU	NXP i.MX8M Plus (Quad core) ARM Cortex-A53 processor up to 1.8 GHz (NEX-8MP)	
GPU	Vivante GC700UL GPU (NEX-8MP)	
Memory	LPDDR4, 4/8GB (NEX-8MP)	
Storage	32GB eMMC 5.1 (NEX-8MP), expandable to 256GB 1 x Micro SD	
Expansion slot	Network	2 x GbE
I/O ports	USB	2 x USB 3.0 / 2.0
	Serial ports	1 x RS232 ; 1 x 485 ; 2 x CANBus
	Display	1 x HDMI®

■ Mechanical

Dimensions 71.4W x 71.4D x 29.5H mm

Weight 258g

■ Power

DC input +5V

■ Environment

Operating Temp. -40°C to +60°C
(100 % CPU usage)

Relative Humidity 95% @ 40°C, non-condensing

OS Support Yocto mickledore imx-6.1.55-2.2.0_desktop
(Proof of Concept ; POC)

■ Dimension

