



PALM-3A100DW-V

Embedded Computer with
AMD® Ryzen Processor

■ Features:

- AMD® Ryzen™ Embedded V1000 Series SoC With Independent Four 4K Display
- 2 x HDMI, 2 x DP, 3 x GbE, 4 x USB, 8DI / 8DO
- 2 x COM, 1 x Mini PCIe, 2 x SIM, 2 x M.2

■ Specifications :

Motherboard	3A100DW-V
CPU	AMD® Ryzen™ Embedded V1000 Series SoC V1807B 3.35 GHz up to 3.8 GHz (Quad Core), TDP 35-54 Watt V1605B 2.0 GHz up to 3.6 GHz (Quad Core), TDP12-25 Watt
Chipset	AMD® Ryzen™ Embedded V1000 Series SoC
Memory	2 x DDR4 2400 MHz SODIMM, Max. 32GB (V1878B CPU supports single bank 3200 MHz memory)
Storage	2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s), optional to 2 x mSATA
Expansion slot	1 x M.2 M Key, Type 2280 (PCIe x 4), Support NVMe 1 x M.2 B Key, Type 3042 (PCIe / mSATA / USB) 1 x mini card socket (PCIe / mSATA / USB) 1 x Nano SIM, 1 x SIM
I/O ports	Network 3 x Intel GbE USB 2 x USB 3.0, 2 x USB 2.0 Serial ports 2 x RS232 / 422 / 485 Display 2 x DP, 2 x HDMI Audio Line-out, Mic-in (OEM) GPIO & SIM DI / DO (Option)
Optional Modules & Accessor	GPS, Bluetooth, PoE, WiFi, 4G LTE, Isolated COM, battery UPS, Video Input, *SATA Kit, Wall Mount Kit
OS Support	Windows® 10 IOT (64bit), Ubuntu 18.04.2 above, Fedora 29 above

■ Mechanical

Dimensions	180W x 150D x 70H mm
Weight	1.35 kg
Mounting	Wall Mount *

■ Power

DC input	+12V -24V
AC input	External adapter 100 / 240V

■ Environment

Operating Temp. (100 % CPU usage)	-20°C to +60°C with mSATA / SSD 0°C to +50°C with HDD
Storage Temp.	-20°C to +70°C
Relative Humidity	95% @ 40°C, non-condensing

■ Certification

	CE / FCC class A
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■ Dimension

