



ND108T – Pico-ITX Single Board Computer with NXP i.MX 8M ARM Processor

The ND108T is a Pico-ITX 2.5" single board computer. This board is capable of dual display and ethernet. Available in dual and quad core configurations, it is both flexible and proficient. The ND108T features an ARM architecture processor that is highly efficient and exceedingly capable.

SPECIFICATIONS

CPU	NXP i.MX 8M Series
Memory Type	Onboard LPDDR4 1600MHz
Maximum Memory Supported	4GB
Chipset	Integrated in SoC
Integrated Graphics	i.MX 8 Integrated
Storage	Onboard eMMC Storage up to 32GB & microSD slot
Video	1 x HDMI, 1 x DP, 1 x LVDS (Optional)
LAN Ports	1 x RTL8211FD (RGMII interface, PHY), 1 x RTL8111H (MAC + PHY)
GPIO Interface	1 x Raspberry Pi Compatible 40-pin GPIO Header
Extended Interface	1 x Mini PCIe (full-size)
Internal I/O	1 x Micro-SIM/microSD slot, 1 x USB 2.0, 1 x USB 2.0 OTG, 1 x LVDS, 1 x Audio header, 1 x RS232/422/485 header, 1 x 4-pin power connector, 1 x 40-pin GPIO
Rear I/O	2 x USB 3.0, 1 x HDMI, 1 x DP, 2 x LAN
Power Requirement	DC input 12V
Dimensions	3.94" x 2.83" (100mm x 72mm)
Operating Temperature	32 ~ 140°F (0 ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20° ~ 70°C)
Relative Humidity	10 ~ 90% (non-condensing)
OS Software Supported	Yocto & Android BSP Support
Global P/N / SKU	2809120

Ordering Options

ND108T-8MD-1G8G (SKU# 2809120A): Pico-ITX board with dual core processor, 1GB of RAM, and 8GB eMMC

storage ND108T-8MD-2G16G (SKU# 2809120B): Pico-ITX board with dual core processor, 2GB of RAM, and 16GB eMMC storage ND108T-8MQ-4G32G (SKU# 2809120C): Pico-ITX board with quad core processor, 4GB of RAM, and 32GB eMMC storage Note: Can be configured with LVDS support. Please contact sales for more information.