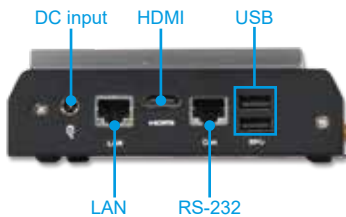
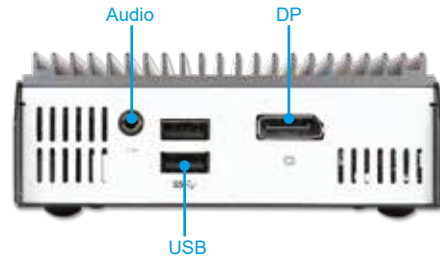


# RICH-61D0

Embedded fan-less system with Apollo lake NUC platform for medical application



RICH-61D0 builds on Intel® Atom® Apollo Lake SOC supports Dual/Quad Core (up to 10W) that can support dual channel DDR3L memory. Support one Gigabit Ethernet port and one M.2 socket.

## FEATURES

- Intel® Atom® 14nm SOC with Dual/Quad Core
- Dual Channel DDR3L 1866 SO-DIMM up to 8G
- Dual display by DP & HDMI up to UHD resolution
- M.2 (E+A Key), SATAIII Port and MicroSD 3.0 socket
- DC-In 12V ~19V
- CE/FCC Class B approved

## ORDERING GUIDE

Contact us	RICH-6100-3550/4G Memory/32G eMMC
Contact us	RICH-6100-3455/4G Memory/32G eMMC
Contact us	RICH-6100-4200/4G Memory/32G eMMC



## System

CPU	Intel® Atom® Apollo Lake SOC, (N3350/N4200) supports Dual/Quad Core (up to 10W) with 2MB Cache
GPU	- Intel® Gen 9 Graphics supports DirectX 12, OpenGL 4.2 / OpenCL 2.0 - Video decode HW accelerator - support for H.264, H.265, MPEG2, VC-1/WMV9, JPEG, VP8 and VP9
BIOS	AMI uEFI BIOS 64MB
System Memory	Dual Channel DDR3L 1866/1600 Non-ECC SO-DIMM up to 8GB
Storage	- 1x SATA III port - 1x Micro-SD 3.0 socket - Support Onboard eMMC 5.0 (32G/64G)
Watchdog Timer	Programmable by SIO
H/W Status Monitor	- Temperature (CPU & System) - Voltage (VCC, VSB, VBAT) - CPU Fan Speed
Expansion Interface	1x M.2 socket (E+A key) support WiFi, BT, 3G & 4G

## I/O Interface

Serial Port	1x RS-232 connector
USB	- 4x USB 3.0 ports support by stacked connector (Front + Left) - 2x USB 2.0 ports on board with pitch 2.0 header
Audio	- High Definition Audio integrated in Intel SoC - Realtek ALC255 HDA codec - Audio jack with Mic-in or Line-out
Ethernet	1x Realtek RTL8111H W/ RJ45 connector

## Display

Display Interface	- 1x HDMI (1.4b) port on board connector, up to 3840x2160@30 MHz - 1x DP(1.2) port on rear I/O, up to 4096x2160@60Mhz
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## Power Supply Unit

Power Input	DC 12V ~19V input
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## Mechanical & Environmental

Dimension	113(W) x 41(H) x 135(D) mm; 4.45"(W) x 1.6"(H) x 5.3"(D)
Operation Temperature	0°C ~ 60°C
Storage Temperature	40°C ~ 80°C
Relative Humidity	5% ~ 95%

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