

SKU: DFR1149

Features

- Intel® Core™ i3-N305 (Up to 3.8GHz, 8-core, 8-thread)**
- Onboard 16GB 4800MHz LPDDR5 memory with IB ECC supported**
- 64GB eMMC 5.1 storage**
- Configurable TDP: 9W ~ 35W**
- Multiple OS Support: Windows 10, Windows 11, Ubuntu**
- Rich Expansion Pins, including: 3 HDMI/DisplayPort, 8 USB 2.0, up to 4 USB 3.2, 9 PCIe 3.0 lanes, 2 SATA 3.0, 64 expandable GPIOs, etc.**
- Open-source Design Files (KiCAD) of Carrier Boards**

Applications



Handheld Device



AI Interaction Robot

Specification

- Processor: Intel® Core™ i3-N305 8 Cores up to 3.8GHz**
- Memory: LPDDR5 4800MT/s 16GB with IB ECC supported**
- Storage: eMMC 5.1 64GB**
- Display: 3 Outputs; Max Resolution 4096 x 2160@60Hz**
- I/O**
 - PCIe 3.0: up to 9 lanes**
 - SATA 3.0: up to 2 ports**
 - USB 3.2 (10Gbps): up to 4 ports**

USB 2.0 (480Mbps): 8 ports
I2C, UART and GPIOs

- Power: 9~20V**
- Operating System: Windows, Ubuntu**
- Environment: 0~60°C; 0~80% relative humidity**
- Size: 69.6 x 60mm**