

Extension Kit

NDiS B562



Main Features

- Intel® Core™ i Processor Series
- Support Intel® AMT technology
- 2 x DDR5 SO-DIMM, up to 96GB
- 1 x HDMI 2.0 output, up to 4096x2160@60Hz
- 3 x Intel® LAN port
- 3 x USB 3.2 Gen 1x1, and 2 x USB 2.0
- 2x DP1.2
- TPM2.0 on board for security
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module
- 1 x M.2 Key E 2230 for optional Wi-Fi module
- 1 x M.2 Key M 2280 for optional SSD
- Support +12V-24V DC power input

Product Feature

The NDiS B562, equipped with the latest 14th generation Intel CPU, primarily targets the self-checkout system market. The machine itself features 2xDP 1.2 ports, 1xHDMI 2.0 port, 3xUSB 3.2 ports, and 2xUSB 2.0 ports. Users can leverage the built-in AI computing capabilities to analyze the shape of products using peripheral AI cameras. Additionally, the COM port can be used to print relevant receipts such as payment details. Consumers do not need to scan product barcodes; by simply placing the items on the checkout counter, the total amount can be calculated in the shortest possible time, effectively saving consumers' checkout time.

Through LAN and Wi-Fi connectivity, user purchase information can be transmitted to the cloud, providing consumers with beneficial promotional information. Alternatively, electronic receipts can be sent to consumers' mobile phones via Wi-Fi. Furthermore, if there is a need to expand functionalities such as adding a graphics card, LAN port, COM port, or USB port, this can be achieved through an extension kit.

Specifications

System

- Intel® Core™ i9 processor 14900T, 36M Cache, up to 5.5 GHz (AMT)
- Intel® Core™ i7 processor 14700T, 33M Cache, up to 5.2 GHz (AMT)
- Intel® Core™ i5 processor 14500T, 24M Cache, up to 4.8 GHz (AMT)
- Intel® Core™ i3 processor 14100T, 12M Cache, up to 4.4 GHz

Main Memory

- 2 x DDR5 5600 262-pin SO-DIMM, non-ECC, unbuffered, up to 96GB

Graphic & Display

- Intel® UHD Graphics
- 1x HDMI 2.0 support 4096 x 2160@ 60Hz
- 2 x DP1.2 support 4096 x 2160@60Hz

Storage device

- 2 x 7pin SATA conn & 2 x SATA power reserve for 2 x hot swappable SSD Bay design(support RAID 0 and 1)
- 1 x M.2 M-key (SATA 3.0, PCIe 3.0 x4)

Expansion for M.2 slot

- 1 x M.2 2230 key E (PCIe 3.0 x1, USB 2.0)
- 1 x M.2 2242/3042/3052 key B (PCIe 3.0 x1, USB3.2) with SIM slot

Expansion for PCIe Slot of Extension Kit

Up to 75W, 167.65mm max. length

- Intel Q670E for expansion support
 - 1 x PCIe 3.0 x16 or 2 x PCIe 3.0 x8 backward compatible
- Intel H610E, expansion support
 - 1 x PCIe 3.0 x16

I/O Interface-Rear

- 3 x USB 3.2
- 3 x LAN
- 1 x HDMI2.0
- 2 x DP1.2
- 2 x RS232/422/485
- 1 x 5-pin thermal block for 180W power board
- 3 x Antenna holes

I/O Interface-Front

- Power Button with LED
- 1 x HDD LED
- 2 x USB2.0
- 1 x Line-out
- 3 x Antenna holes

Mechanical & Dimension

- System Unit
 - NDiS B562-EXT:388.3 x 190.6 x 75.4mm with wall mount bracket
 - NDiS B562:268 x 190.6 x 75.4mm with wall mount bracket

Power Supply

- Nominal Voltage: +12V-24DC, 180W

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Certifications

- CE Approval (EN50035 + EN50032)
- FCC Class A (Part 15B)
- LVD (EN62368-1)

Preliminary version