

# Product Specifications

<b>Customer</b>	
<b>Model Name</b>	<b>NTWB512 V100E</b>
<b>Model Number</b>	<b>NTWB512-SE97<del>XXX</del>-<del>XXX</del>-100E</b>

\* X = A~Z, 0~9 (Depends on Options.)



Records of Revision			
Vision	Modifying	Old Description	New Description
v2501.1	Preliminary Specification		

## Features

- ★ Intel® Alder Lake N97 CPU
- ★ DDR4 8G RAM, Max to 16G
- ★ GbE LAN Port x2
- ★ 128G SSD, Max to 1T
- ★ HDMI Output x1, DP output x1
- ★ Realtek Audio HAD Codec,
- ★ RS485 Port x1, RS232 Port x6
- ★ USB 3.0 x4, USB 2.0 x2
- ★ Metal Cabinet
- ★ Made in Taiwan, 3 Years Warranty



## System Specifications

CPU	<b>Intel® Alder Lake-N97 Processor</b>
Memory	<b>DDR4 SO-DIMM 8G, Max to 16G</b>
Network	<b>Intel i210-AT GbE Ethernet Controller x1 Intel i226-V GbE Ethernet Controller x1</b>
Storage	<b>M.2 M-Key 2280, PCIE X1/SATA, Support PCIE X1 NVMe/SATA SSD, Auto Detect SATA3.0 6Gbps</b>
Video Output	<b>Intel® UHD Graphics HDMI output x1, Max. Resolution 4096x2160 @30Hz DP output x1, Max. Resolution 4096x2160 @60Hz</b>
Sound Chip	<b>Realtek Audio HAD Codec</b>
Rear I/O	<b>HDMI x1, DP x1 RJ45 LAN Ports x2 USB 3.0 x4, USB 2.0 x2 RS485 x1, RS232 x6 Line-Out + MIC 2in1 3.5mm Jack x1</b>
Operating Temp.	<b>0~60°C</b>
Storage Temp.	<b>-20~75°C</b>
Power Input	<b>12VDC-in</b>

## System Options

Memory		
	Item	Model Name
<b>Standard</b>	<b>DDR4 SO-DIMM 8G</b>	<b>NTWB512-SE97<u>8</u>XX-XXX-100E</b>
Option 1	DDR4 SO-DIMM 16G	NTWB512-SE97 <u>A</u> XX-XXX-100E
Option 2	DDR4 SO-DIMM 32G	NTWB512-SE97 <u>B</u> XX-XXX-100E

Storage		
	Item	Model Name
<b>Standard</b>	<b>SSD 128G</b>	<b>NTWB512-SE97XX<u>S1</u>-XXX-100E</b>
Option 1	SSD 256G	NTWB512-SE97X <u>S2</u> -XXX-100E
Option 2	SSD 512G	NTWB512-SE97X <u>S3</u> -XXX-100E
Option 3	SSD 1T	NTWB512-SE97X <u>S4</u> -XXX-100E

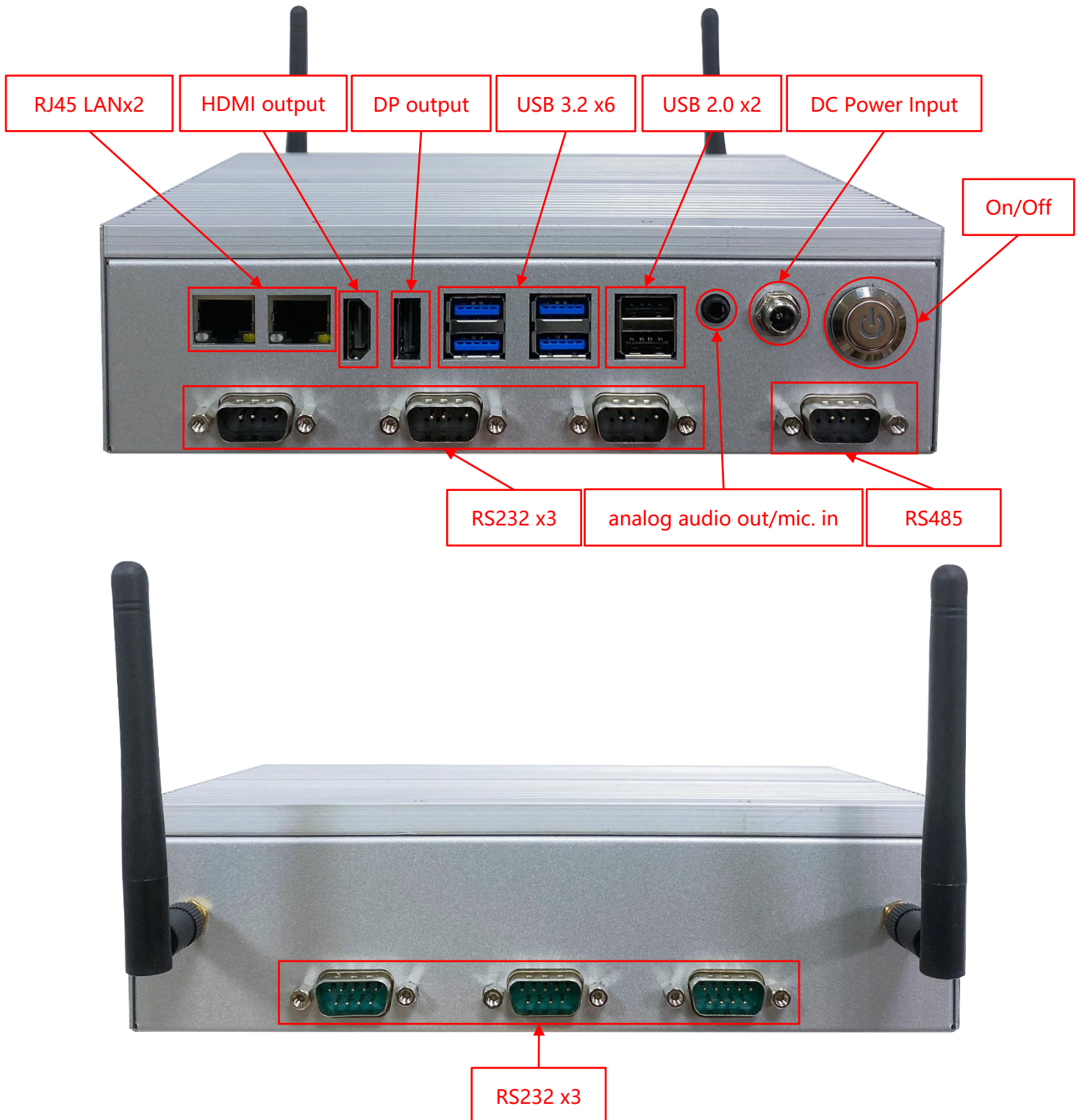
Material of Cabinet		
	Description	Model Name
<b>Standard</b>	<b>SECC</b>	<b>NTWB512-SE97XXX-<u>S</u>XX-100E</b>
Option 1	Stainless Steel	NTWB512-SE97XXX- <u>L</u> XX-100E
Option 2	Aluminum	NTWB512-SE97XXX- <u>A</u> XX-100E

Color of Cabinet		
	Description	Model Name
<b>Standard</b>	<b>Silver</b>	<b>NTWB512-SE97XXX-<u>X</u>SX-100E</b>
Option 1	White	NTWB512-SE97XXX- <u>X</u> WX-100E
Option 2	Black	NTWB512-SE97XXX- <u>X</u> BX-100E
Options	Other Colors	NTWB512-SE97XXX- <u>X</u> OX-100E

\* X = A~Z, 0~9 (Depends on Color)

Wireless Network		
	Description	Model Name
<b>Standard</b>	<b>N/A</b>	<b>NTWB512-SE97XXX-<u>XX0</u>-100E</b>
Option	WIFI 4.0+BlueTooth	NTWB512-SE97XXX- <u>XXW</u> -100E

## Input /Output System



**Side Bracket (Option)**



**Cosmetic Inspection Standard**

Display Area Allowance			
Defect description	Defective Specifications	Allowance	Remarks
Dot Defect (including dark dot, particles, bubbles, pits, dust, foreign matter)	$D \leq 0.2\text{mm}$	Ignored	D=Diameter
	$0.2 < D \leq 0.7\text{mm}$	$N \leq 5$	N=Quantity
	$0.7 < D \leq 1\text{mm}$	$N \leq 3$	
	$D > 1\text{mm}$	$N \leq 0$	
Linear Defect (including scratches, fluff, particles)	$W \leq 0.15\text{mm}$	Ignored	W=Width
	$0.15 < W \leq 0.5\text{mm}, L \leq 15\text{mm}$	$N \leq 2$	L=Length
	$W > 0.5\text{mm}$ or $L > 15\text{mm}$	NG	

## Physical Specifications

Dimension	202x130x60(±2)mm	Net Weight	≤1.5 KG
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