

# Product Specifications

<b>Customer</b>	
<b>Model</b>	<b>NTAP101-2-Q3 V500</b>
<b>Model No.</b>	<b>NTAP101H<u>X</u>2<u>XX</u>-Q3A84FA-<u>XX</u>02-500</b>

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



Records of Revision			
Vision	Modifying	Old Description	New Description
v2603.1	Preliminary specification		

# Nextech P Series 10.1" Android All-in-one Industrial Touch PC

**NTAP101-2-Q3 V500**

## Features

- ★ 10.1 inch Wide Screen Industrial Grade Panel, 1280x800 Resolution
- ★ 1000nits High Brightness
- ★ Wide Operating Temperature Range -20~70°C
- ★ Rock Chip ARM Cortex A72+A53 RK3399 Quad-Core CPU
- ★ On Board DDR4 4G Memory
- ★ On Board 16G Flash ROM (Max. upgraded to 32G)
- ★ Micro SD Card Slot x1 (Max. to 64G)
- ★ Android 10.0
- ★ Narrow Bezel, True Flat Projected Capacitive Touch Screen
- ★ 7H Hardness Tempered Cover Glass
- ★ 10 points Multi-touch, Supports Active Stylus
- ★ Metal Cabinet with Diverse Combine Options
- ★ Made in Taiwan, 3 Years Warranty, Designed for Harsh Environments
- ★ Optional AG Coating/Antibacterial/Privacy Filter Surface Treatment



PSE



BSMI



RoHS



CE



ISO9001



FCC



Desktop Stand



Wall Mounting



Open-frame Bracket



Panel Mount

## System Specifications

CPU	Dual Core ARM Cortex-A72 +Cortex-A53 up to 2.0GHz
Memory	Samsung LPDDR4 4G
Storage	Samsung 16G EMMC Flash ROM (Max. to 32G)
GPU Chip	Mali-T860 GPU
Sound Chip	Realtek ALC662 Audio CODEC
Physical Network	1x GbE Lan port (RJ45)
Wireless Network	Wi-Fi 6 and Blue Tooth v2.1+EDR/V3.0/V3.0+HS/V4.0
OS	Android 10.0
Power Input	12VDC-in, with AC/DC Adapter

## Display Specifications

Screen Diagonal	10.1 inch	Display Mode	Normally Black
Display Area	216.96x135.6 mm	Backlight Unit	LED (white LED)
Resolution	1280x800	Response Time	25 msec. (Typ.)
Contrast Ratio	1300:1	Viewing Angle (L/R, U/D)	170°/170°
Display Ratio	16:10	Backlight Lifetime	>50,000 Hours
Support Colors	16.2M Colors	Operating Temp.	-20~70°C
Pixel Pitch	0.1695x0.1695 mm	Storage Temp.	-30~70°C
Brightness	1000nits		

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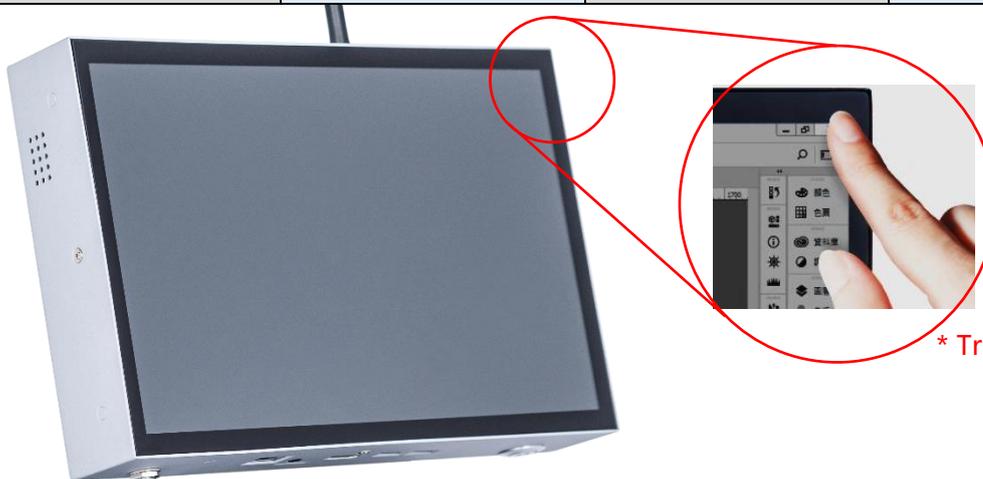
**NTAP101-2-Q3 V500**

## Touch Options

Touch Screen		
	Description	Model Name
<b>Standard</b>	<b>Projected Capacitive Touch</b>	<b>NTAP101HP2XX-Q3A84FA-XX02-500</b>
Option	Non-Touch	NTAP101H02XX-Q3A84FA-XX02-500

### Projected Capacitive Touch

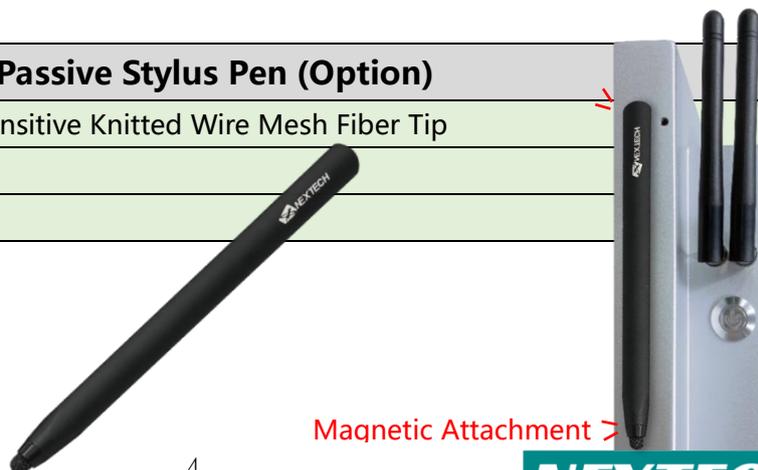
Allowed Touch Points	10 points	Thickness of Cover Lens	2.9±0.2mm
Transparency	≥87%	Hardness of Cover Lens	7H
Accuracy	99.00%	IK Ratings	IK07



\* True Flat, 1mm Bezel

Surface Treatment		
	Description	Model Name
<b>Standard</b>	<b>(none)</b>	<b>NTAP101HX200-Q3A84FA-XX02-500</b>
Option 1	Anti-Glare Coating	NTAP101HX2GG-Q3A84FA-XX02-500
Option 2	Antibacterial (AB Film)	NTAP101HX2AB-Q3A84FA-XX02-500
Option 3	Anti-Spy (AS Film)	NTAP101HX2SF-Q3A84FA-XX02-500

Passive Stylus Pen (Option)	
Technology	Passive High Sensitive Knitted Wire Mesh Fiber Tip
Size of tip	6mm
Magnetic Attachment	Yes



Magnetic Attachment >

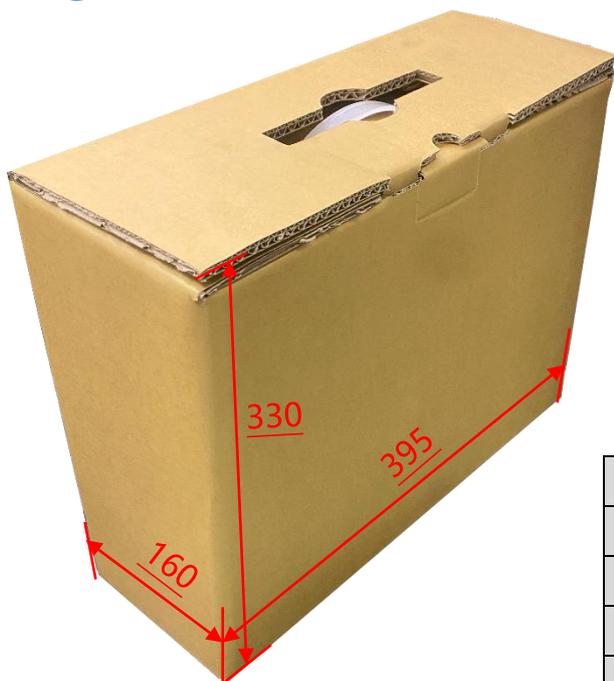
## System Options

Material of Cabinet		
	Description	Model Name
<b>Standard</b>	<b>SECC</b>	<b>NTAP101HX2XX-Q3A84FA-<u>S</u>X02-500</b>
Option 1	Stainless Steel	NTAP101HX2XX-Q3A84FA- <u>L</u> X02-500
Option 2	Aluminum	NTAP101HX2XX-Q3A84FA- <u>A</u> X02-500

Color of Cabinet		
	Description	Model Name
<b>Standard</b>	<b>Silver</b>	<b>NTAP101HX2XX-Q3A84FA-<u>X</u>S02-500</b>
Option 1	White	NTAP101HX2XX-Q3A84FA- <u>X</u> W02-500
Option 2	Black	NTAP101HX2XX-Q3A84FA- <u>X</u> B02-500
Options	Other Color	NTAP101HX2XX-Q3A84FA- <u>X</u> X02-500

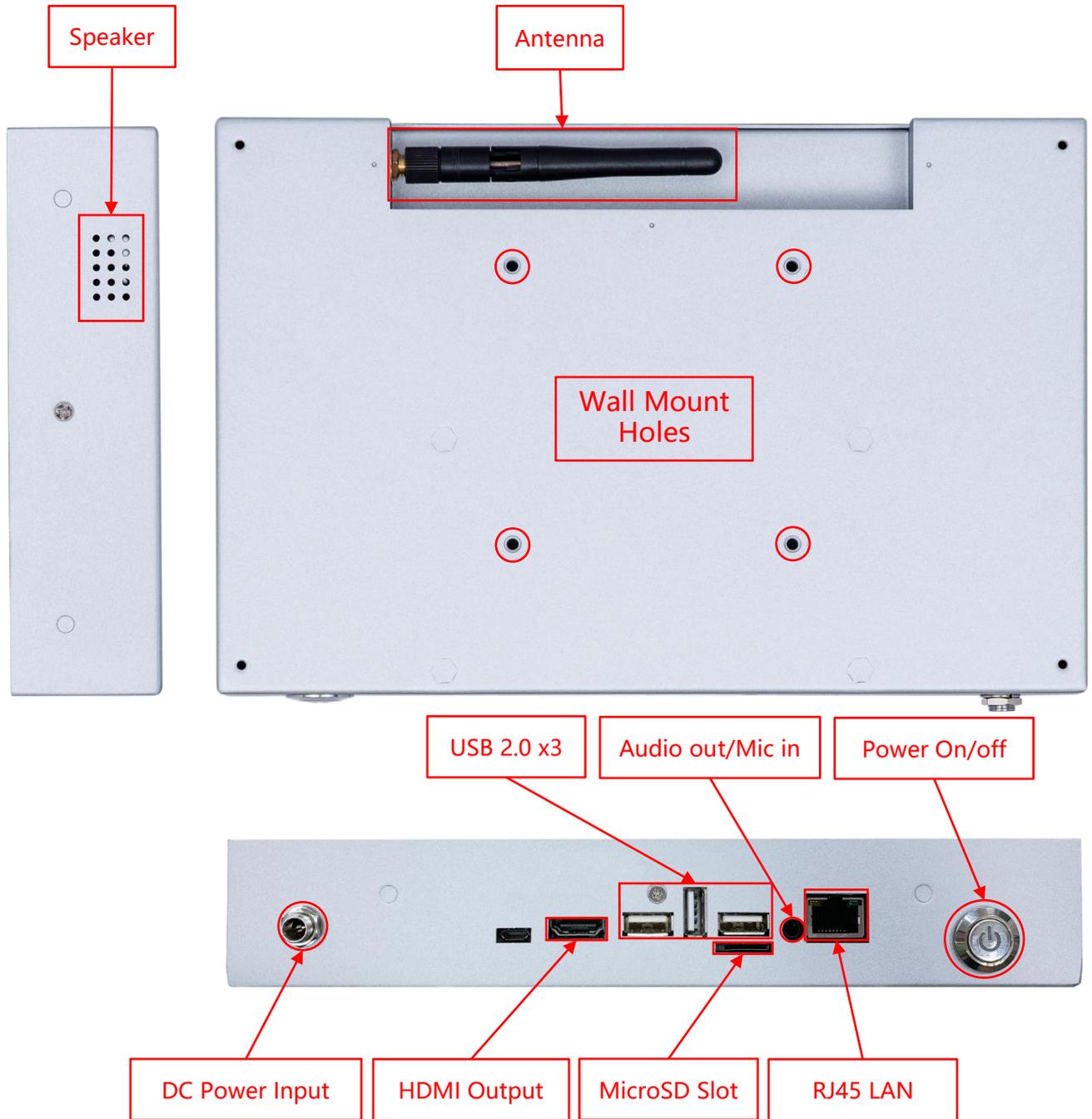
\* X = A~Z, 0~9 (Depends on Color)

## Packing Information



Unit Carton Size	<b>395x160x330 mm</b>
Unit N. Weight	<b>≤1.4 KG</b>
Unit G. Weight	<b>≤2.5 KG</b>
Units per Pallet	<b>72 units</b>
Pallet Size	<b>120x100x142 CM</b>

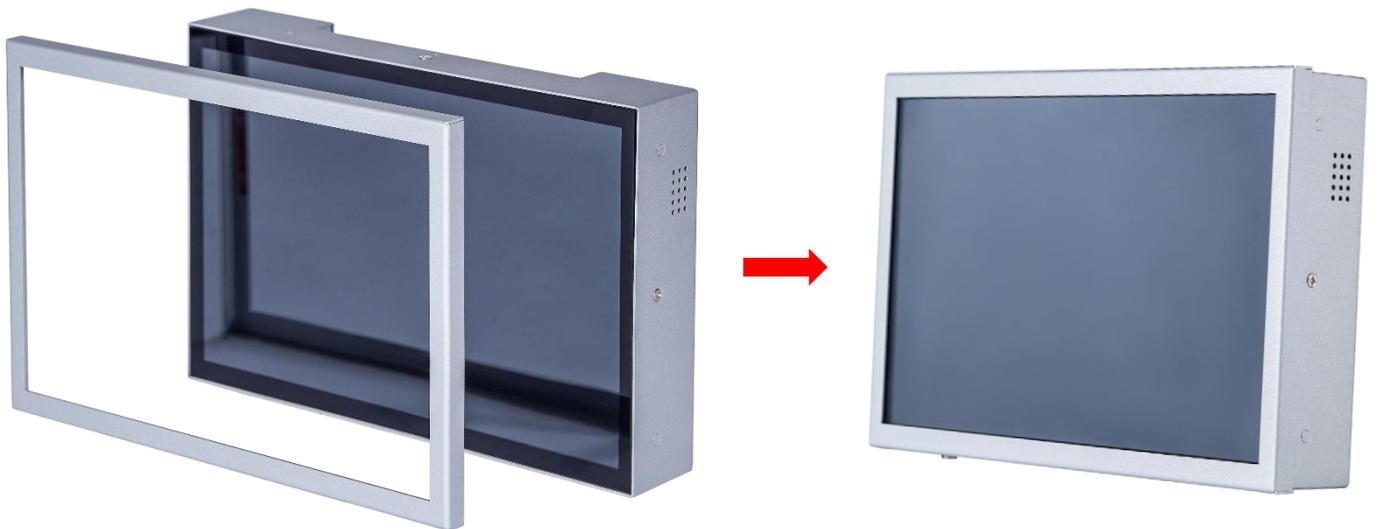
## Input /Output System



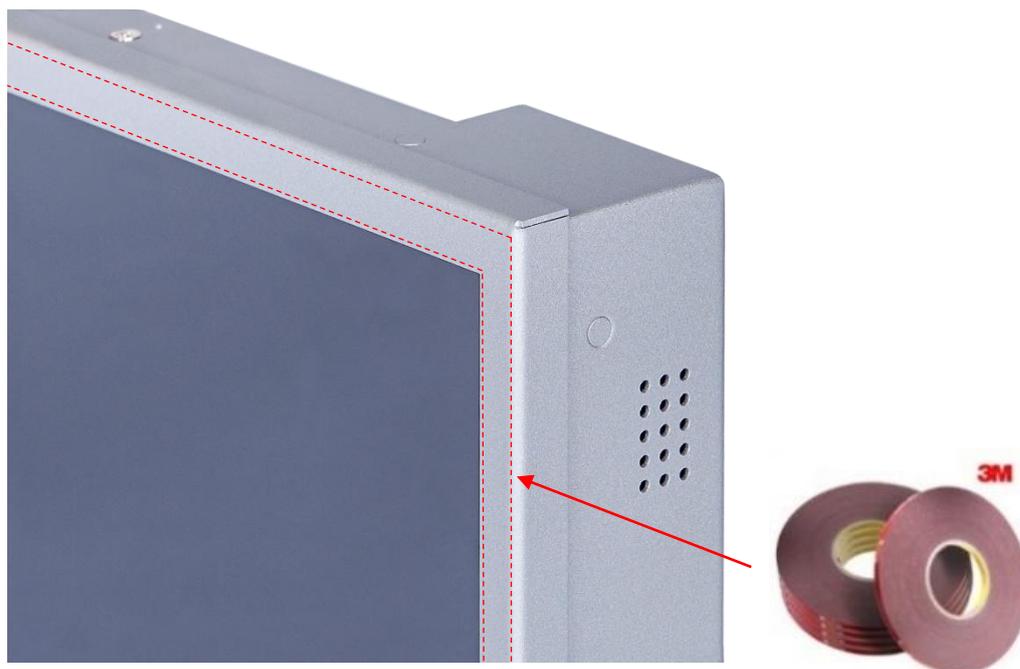
Input / Output	Connectors	Input / Output	Connectors
HDMI (Output)	1	USB 2.0	3
Audio Output /Mic Input (3.5mm)	1	MicroSD Card Slot	1
DC Power Input	1	LAN (RJ45)	1
Speakers	1W x2	Wi-Fi & Antenna	1

## Front Cover (Option)

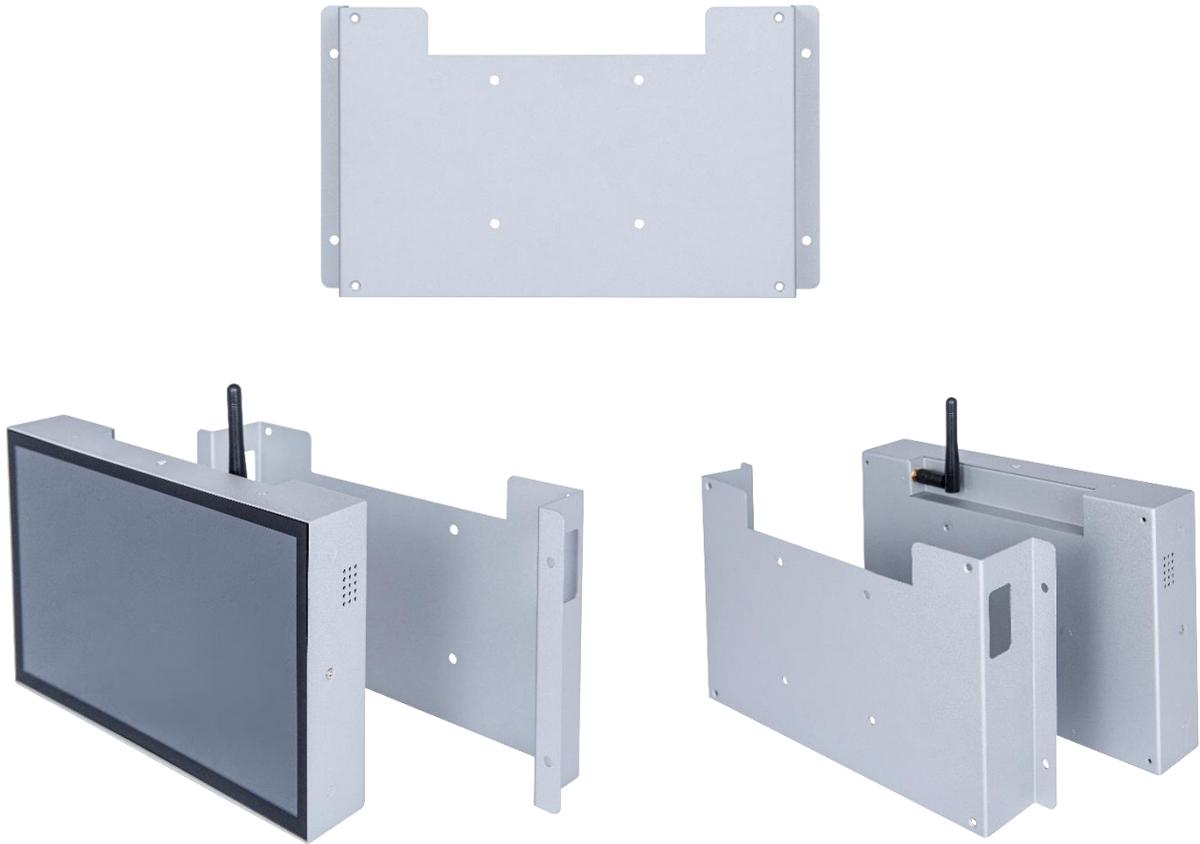
The standard **NTAP101** is true flat surface, with only 1mm metal bezel  
To protect the corners of the touch screen, the **Front Cover** can be added.



The watertight gasket can be added between the **Front Cover** and **NTAP101**.  
It complies **IP65** on front.



## Open-frame Bracket (Option)



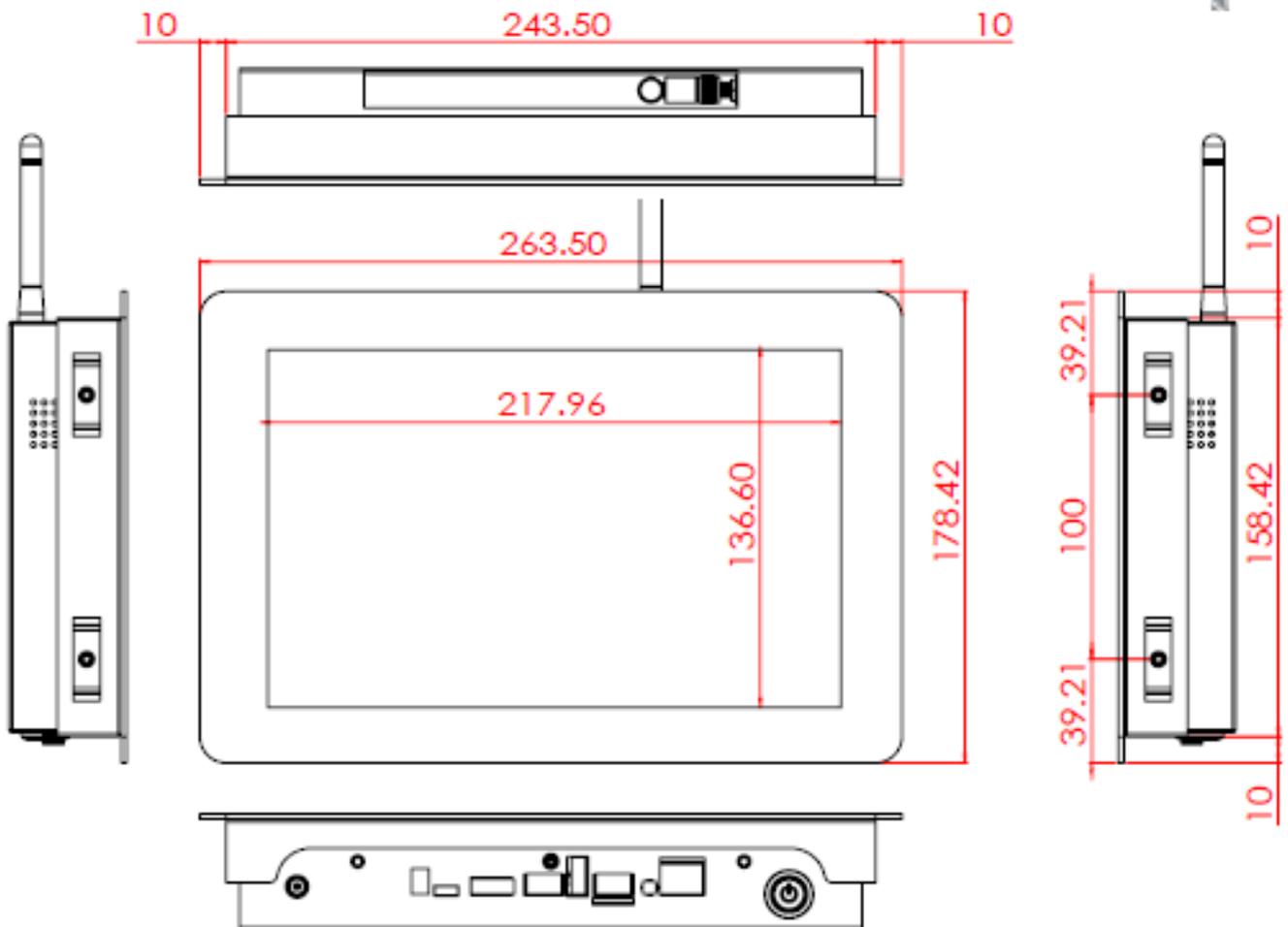
### Dimension for Installing with Open-frame Brackets



### Panel Mount Kits (Option)

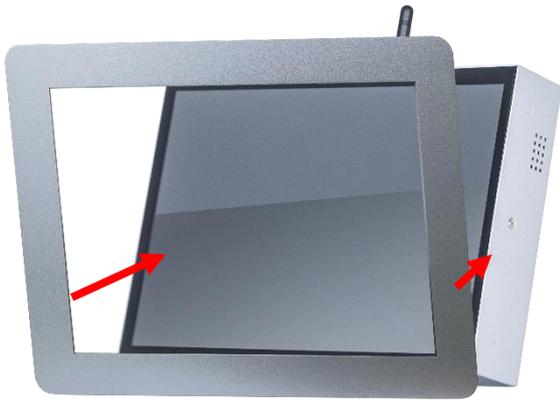


### Dimension for Installing with Panel Mount Kits

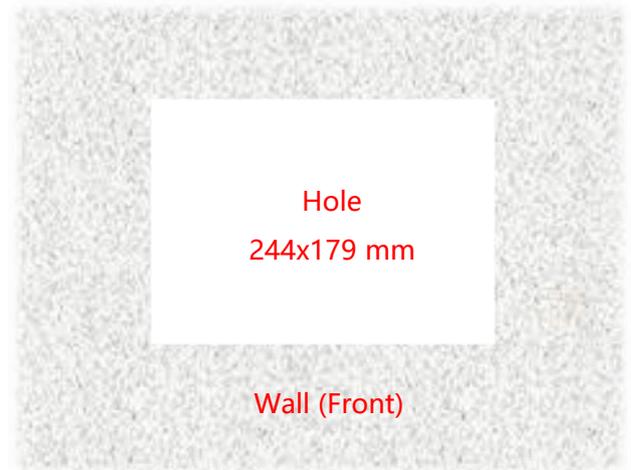


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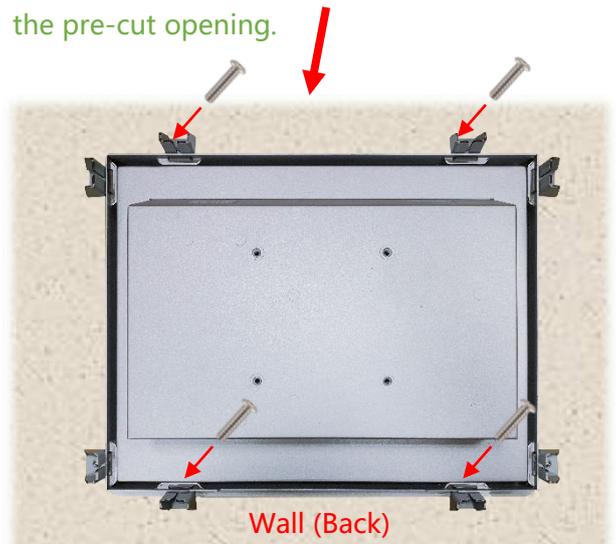
**NTAP101-2-Q3 V500**



Step 1: Assemble the front module with the screen body. (This step is pre-assembled at the factory.)



Step 2: Insert the screen from the front into the pre-cut opening.



Step 3: Attach the clips from the back and secure with screws. (Up to 4 clips can be installed as needed or per positional limitations.)

### Desktop Stand (Option)

Item	L Stand	Part No.	DST-0B004/DST-1B004
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	194x194x222 mm
Material	SECC	Net Weight	1.4 KG
Tilt (Hinge)	105°	Support Max. Weight	15 KG



Item	B Stand	Part No.	DST-0B002/DST-1B002
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	203x275x227 mm
Material	Steel/Plastic/Aluminum	Net Weight	1.8 KG
Tilt (Hinge)	-2° ~ +180°	Support Max. Weight	15 KG

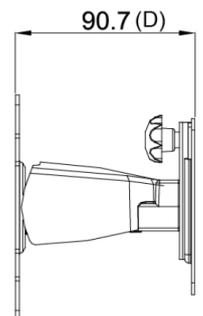
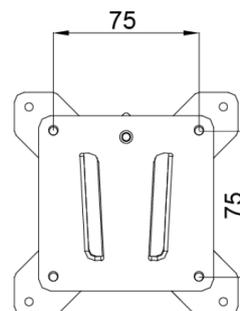
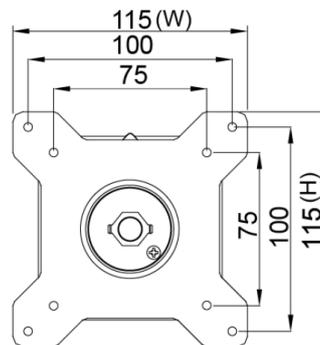
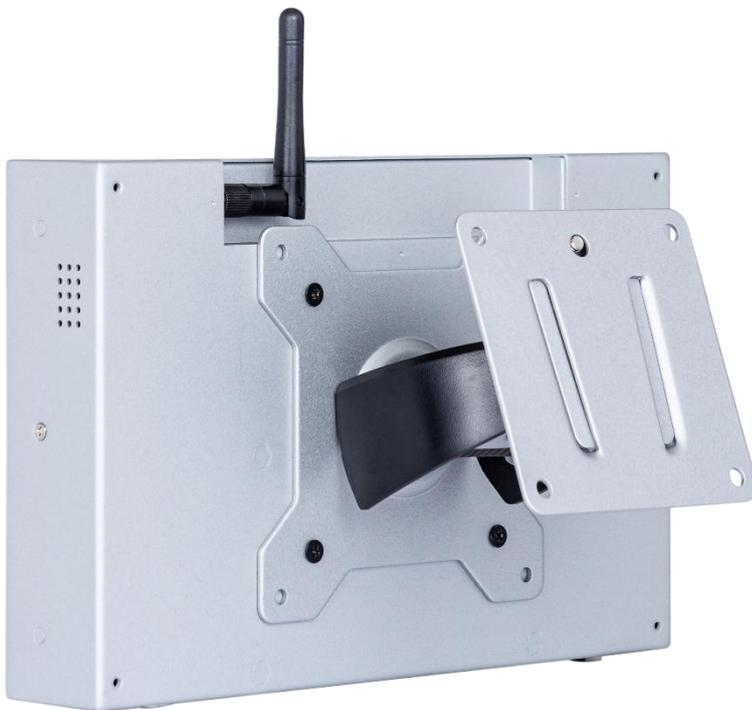


### Desktop Stand (Option)

Item	Z Stand	Part No.	DST-0BZ01/DST-1BZ01
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	190x240x41.6
Material	SECC	Net Weight	2.6 KG
Tilt (Hinge)	±360°	Support Max. Weight	15 KG

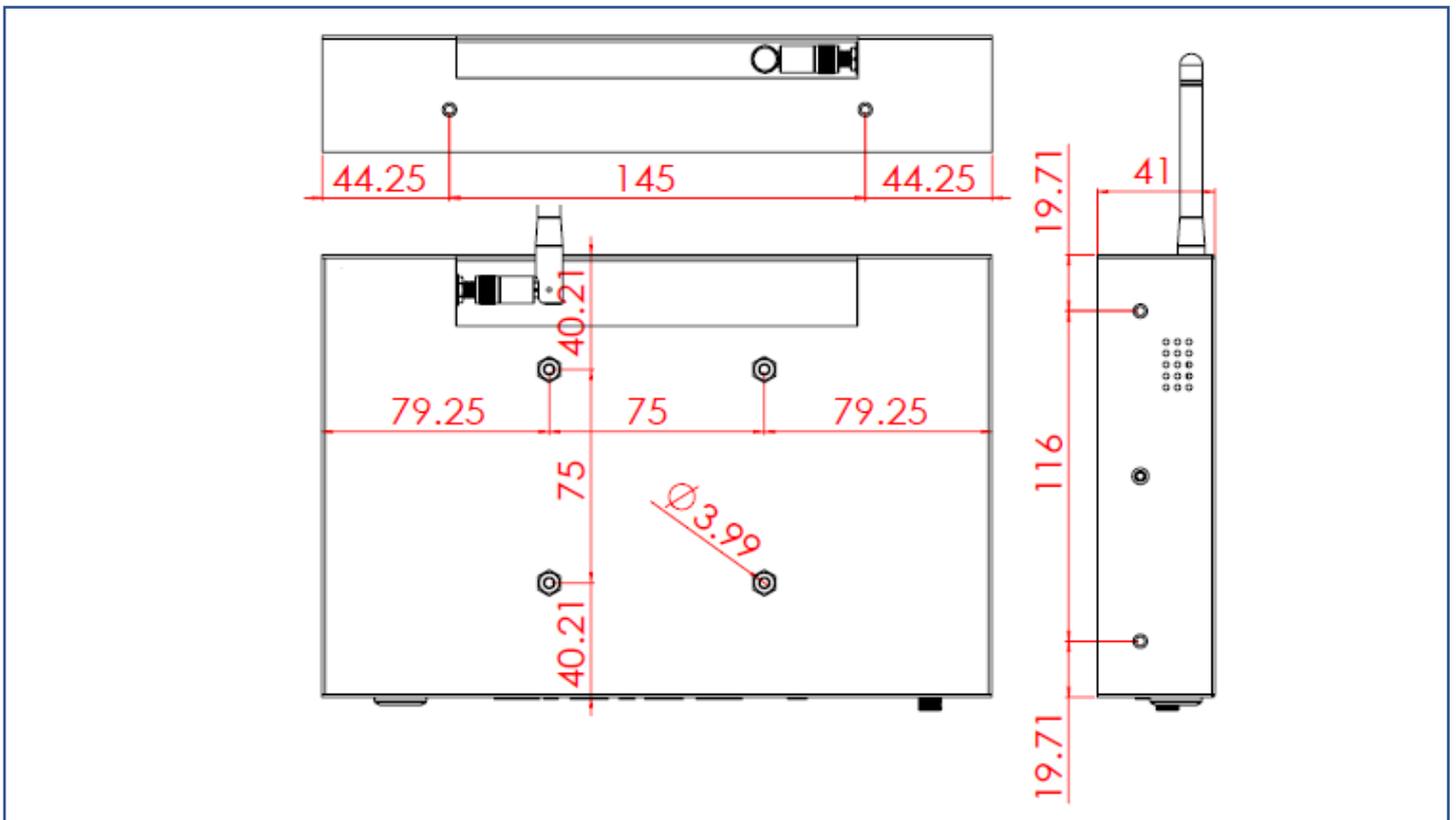
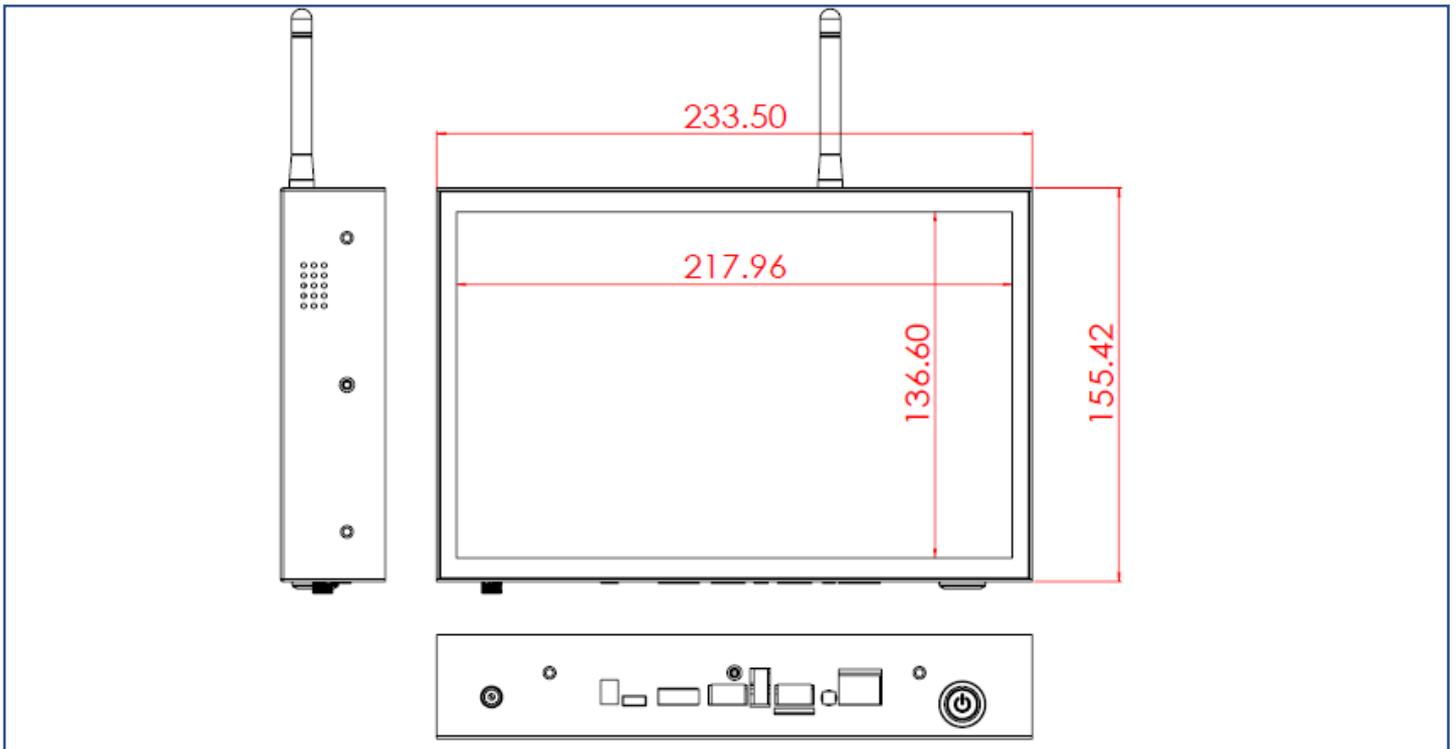


### Wall Mount Bracket (Option)



## Physical Specifications

Dimension	233.5x155.4x41(±2)mm (W/O Antenna)	Net Weight	≤1.4 KG
VESA Mounting	75x75 mm	Gross Weight	≤2.5 KG



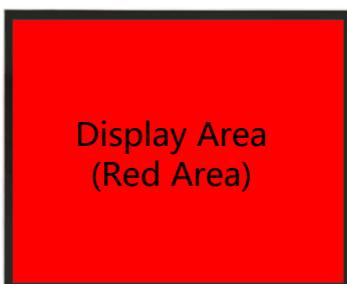
## Cosmetic Inspection Standard

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	

\* Visual inspection distance: 60cm, 90 degree (same for front/side/back)

Front Appearance Allowance (Including Coating)			
Defect description	Defective Specifications	Allowance	Remarks
Dot Defect (including particles, bubbles, pits...etc.)	$D \leq 0.7\text{mm}$	Ignored	D=Diameter
	$0.7 < D \leq 1.5\text{mm}$	$N \leq 3$	N=Quantity
	$D > 1.5\text{mm}$	$N \leq 0$	
Linear Defect (including scratches, fluff, particles)	$W \leq 0.2\text{mm}, L \leq 15\text{mm}$	Ignored	W=Width, L=Length
	$0.2 < W \leq 0.7\text{mm}, L \leq 15\text{mm}$	$N \leq 1$	
	$W > 0.7\text{mm}$ or $L > 15\text{mm}$	NG	

Side / Back Appearance Allowance (Including Coating)			
Defect description	Defective Specifications	Allowance	Remarks
Dot Defect (including particles, bubbles, pits...etc.)	$D \leq 1.5\text{mm}$	Ignored	D=Diameter
	$1.5 < D \leq 3\text{mm}$	$N \leq 8$	N=Quantity
	$D > 3\text{mm}$	$N \leq 2$	
Linear Defect (including scratches, fluff, particles)	$W \leq 0.8\text{mm}, L \leq 15\text{mm}$	Ignored	W=Width, L=Length
	$0.8 < W \leq 1.5\text{mm}, L \leq 15\text{mm}$	$N \leq 5$	
	$W > 1.5\text{mm}$ or $L > 15\text{mm}$	NG	



Display Area  
(Red Area)



Front Appearance (Red Area)



Back Appearance