

Product Specifications

Customer	
Model	NTAP238-2-S5 V600
Model No.	NTAP238 <u>XX</u> 2 <u>XX</u> -S5A54FB- <u>XXXX</u> -600

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



Records of Revision			
Vision	Modifying	Old Description	New Description
v2510.1	Preliminary specification		

Features

- ★ 23.8 inch Panel, 1920x1080 (FHD) Resolution
- ★ Wide Viewing Angle Technology (178°/178°)
- ★ Rock Chip ARM Cortex A55 RK3568 Quad-Core 2.0GHz CPU
- ★ On Board DDR4 4G Memory
- ★ On Board 32 Flash ROM
- ★ Micro SD Card Slot x1
- ★ Android 11
- ★ Narrow Bezel, True Flat Projected Capacitive Touch Screen
- ★ 7H Hardness Tempered Cover Glass
- ★ 10 points Multi-touch, Supports NEXTECH Dedicated Stylus
- ★ Metal Cabinet with Diverse Combine Options
- ★ Made in Taiwan, 3 Years Warranty
- ★ Optional High Brightness 1500nits, for Outdoor Environment
- ★ Optional AG Coating/Anti-UV/Antibacterial/Privacy Filter Surface Treatment



Desktop Stand



Wall Mounting



Open-frame Brackets



Panel Mount

System Specifications

CPU	Rock Chip ARM Cortex A55 RK3568 Quad-Core 2.0GHz
Memory	DDR4 4G
Storage	32G Flash ROM
Sound Chip	Realtek Audio HDA Codec
Physical Network	Realtek GbE LAN Chip (RJ45, 10/100/1000 Mbps)
Wireless Network	Wi Fi 2.4/5GHz and Bluetooth 4.2 (support BLE)
OS	Android 11

Display Specifications

Screen Diagonal	23.8 inch	Display Mode	Normally Black
Display Area	527.04x296.46 mm	Backlight Unit	LED (white LED)
Resolution	1920x1080 (FHD)	Viewing Angle (L/R, U/D)	178°/178° (CR=10)
Contrast Ratio	1000:1	Response Time	14 msec.
Display Ratio	16:9	Backlight Lifetime	>50,000 Hours
Support Colors	16.7M Colors	Operating Temp.	0~50°C
Pixel Pitch	274.5x274.5 um	Storage Temp.	-20~60°C

Display Options

Brightness			
	Brightness	Environment	Model Name
Standard	400nits	General	NTAP238NX2XX-S5A54FB-XXXX-600
Option 1	1000nits	Outdoor Environment	NTAP238AX2XX-S5A54FB-XXFX-600
Option 2	1500nits	Sunlight Readable	NTAP238FX3XX-S5A54FB-XXFX-600 *

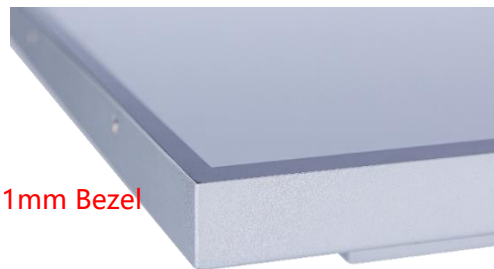
* Check the data sheet NTAP238-3-S5 V600

Touch Options

Touch Screen		
	Description	Model Name
Standard	Projected Capacitive Touch	NTAP238X<u>P</u>2XX-S5A54FB-XXXX-600
Option	Non-Touch	NTAP238X <u>0</u> 2XX-S5A54FB-XXXX-600

Projected Capacitive Touch

Allowed Touch Points	10 points	Thickness of Cover Lens	2.0±0.2mm
Transparency	≥87%	Hardness of Cover Lens	7H
Accuracy	99.00%	IK Ratings	IK07



* True Flat, 1mm Bezel

Surface Treatment		
	Description	Model Name
Standard	(none)	NTAP238XX2<u>00</u>-S5A54FB-XXXX-600
Option 1	Anti-Glare&Anti-UV Coating	NTAP238XX2 <u>GG</u> -S5A54FB-XXXX-600
Option 2	Antibacterial (AB Film)	NTAP238XX2 <u>AB</u> -S5A54FB-XXXX-600
Option 3	Anti-Spy (AS Film)	NTAP238XX2 <u>SF</u> -S5A54FB-XXXX-600

System Options

Material of Cabinet		
	Description	Model Name
Standard	SECC	NTAP238XX2XX-S5A54FB-<u>S</u>XXX-600
Option 1	Stainless Steel	NTAP238XX2XX-S5A54FB- <u>L</u> XXX-600
Option 2	Aluminum	NTAP238XX2XX-S5A54FB- <u>A</u> XXX-600

Color of Cabinet		
	Description	Model Name
Standard	Silver	NTAP238XX2XX-S5A54FB-<u>X</u><u>S</u>XX-600
Option 1	White	NTAP238XX2XX-S5A54FB- <u>X</u> <u>W</u> XX-600
Option 2	Black	NTAP238XX2XX-S5A54FB- <u>X</u> <u>B</u> XX-600
Options	Other Colors	NTAP238XX2XX-S5A54FB- <u>X</u> <u>X</u> XX-600

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

Cooling Fan		
	Description	Model Name
Standard	Fanless	NTAP238XX2XX-S5A54FB-<u>XX</u><u>0</u>X-600
Option	7 Blades/4000r.p.m/28.3dB	NTAP238XX2XX-S5A54FB- <u>XX</u> <u>F</u> X-600

Power Input		
	Description	Model Name
Standard	12VDC-in, with AC/DC Adapter	NTAP238XX2XX-S5A54FB-<u>XXX</u><u>2</u>-600
Option	100~240V AC, C14 AC Power Socket	NTAP238XX2XX-S5A54FB- <u>XXX</u> <u>A</u> -600

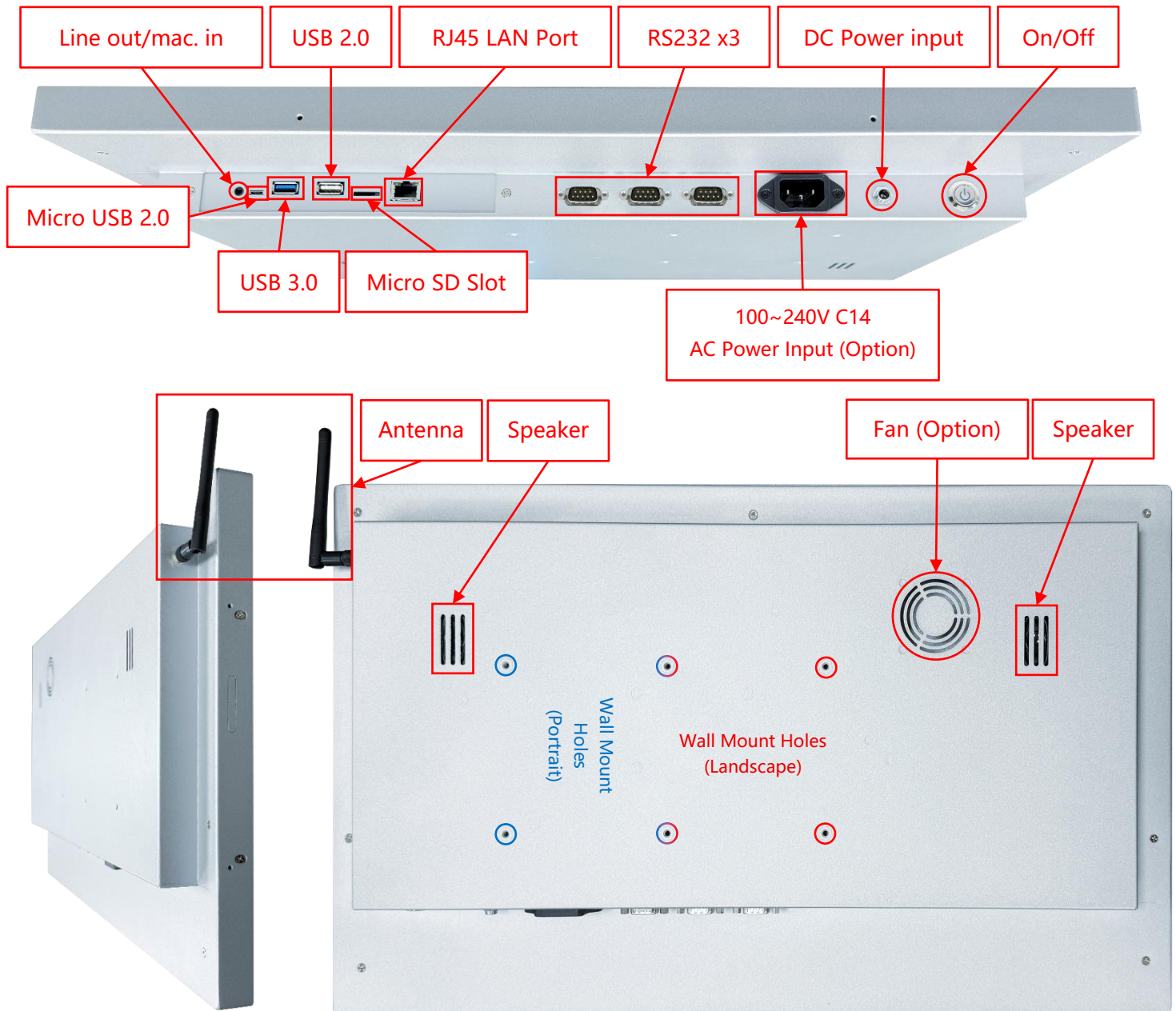


DC-in



AC-in

Input /Output System



Input / Output	Connectors	Input / Output	Connectors
DC Power Input	1	Micro SD Card Slot	1
AC Power Input	Option	Line out/Mic. In (3.5mm)	1
USB 2.0	1	LAN (RJ45)	1
Micro USB 2.0	1	Wi-Fi/Bluetooth & Antenna	1
USB 3.0	1	Speakers	2W x2
RS232	3		

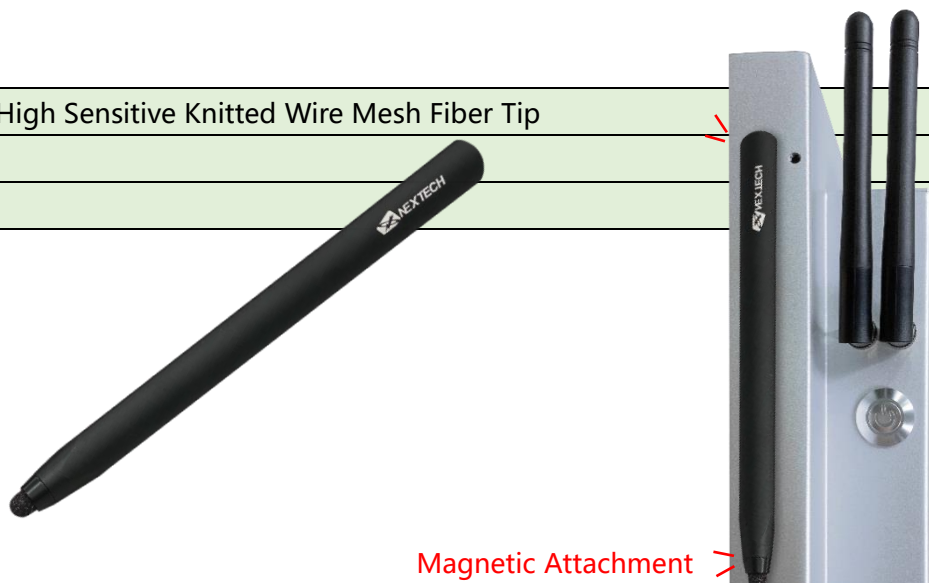
Camera & Microphone (Option)



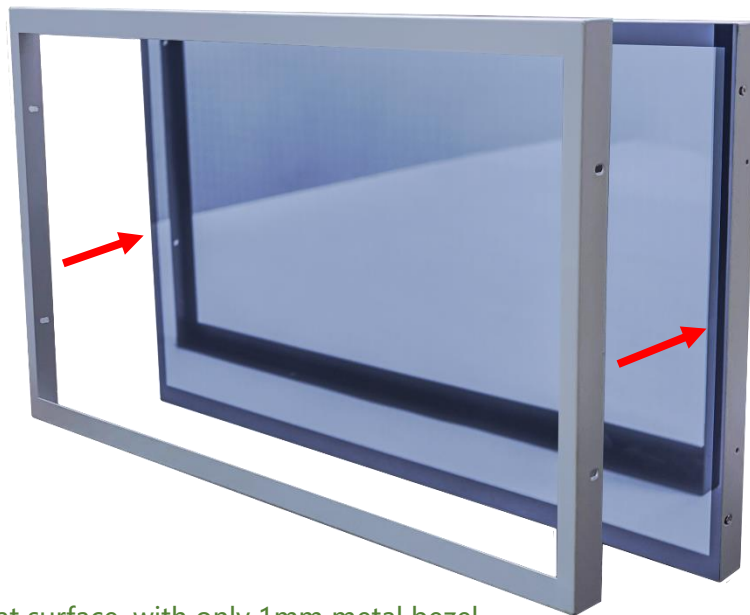
Lens	1/3.06" CMOS Image sensor
Max. Resolution	12MP 3840x3104
Default Resolution	3840x2160 (UHD/4K)
Pixel Size	1.12um x1.12um
Device Name	12Mp WebCam
Auto Focus	Yes
Focus Distance	10 CM~Infinity
Input Voltage	5V
Microphone Sensitivity	-26 dBFS
Frequency	2.4 MHz
Data Latency	18~60 nsec

Stylus (Option)

Technology	Passive High Sensitive Knitted Wire Mesh Fiber Tip
Size of tip	6mm
Magnetic Attachment	Yes



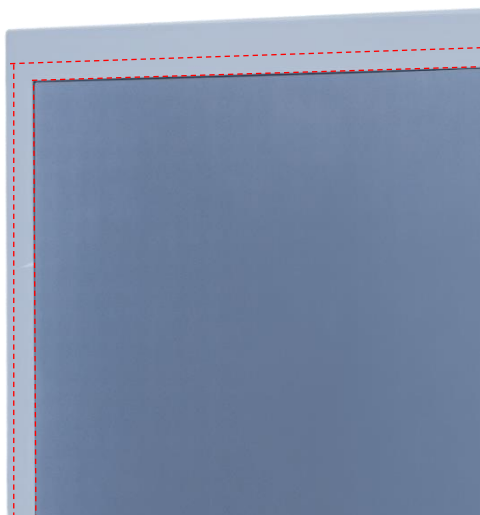
Front Cover (Option)

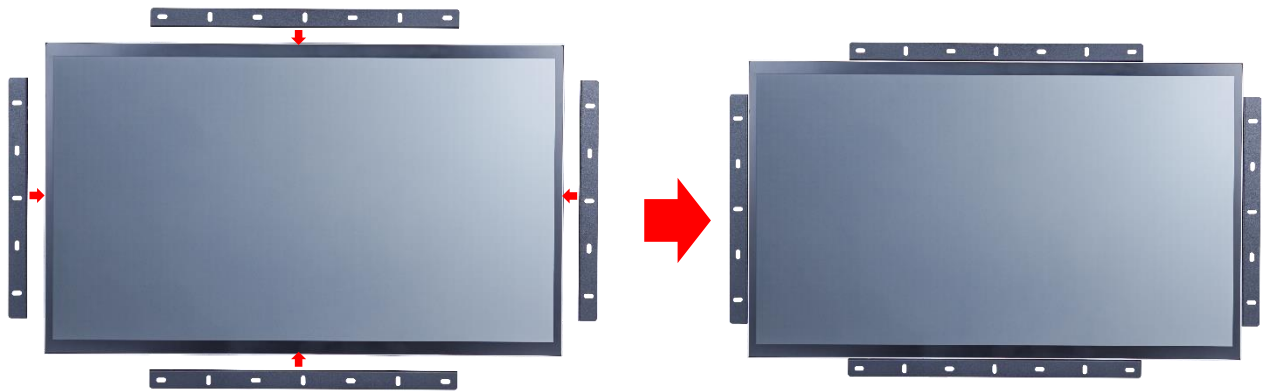


The standard **NTAP238** is true flat surface, with only 1mm metal bezel.
To protect the corners of the touch screen, the **Front Cover** can be added.



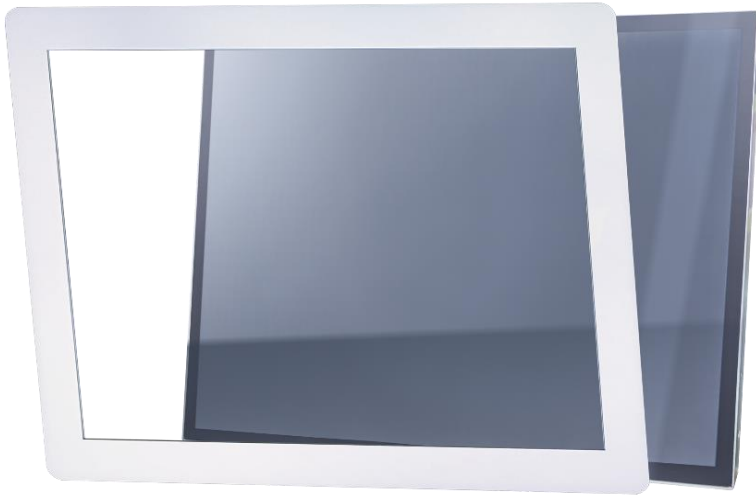
The watertight gasket can be added between the **Front Cover** and **NTAP238**.
It complies **IP65** on front.



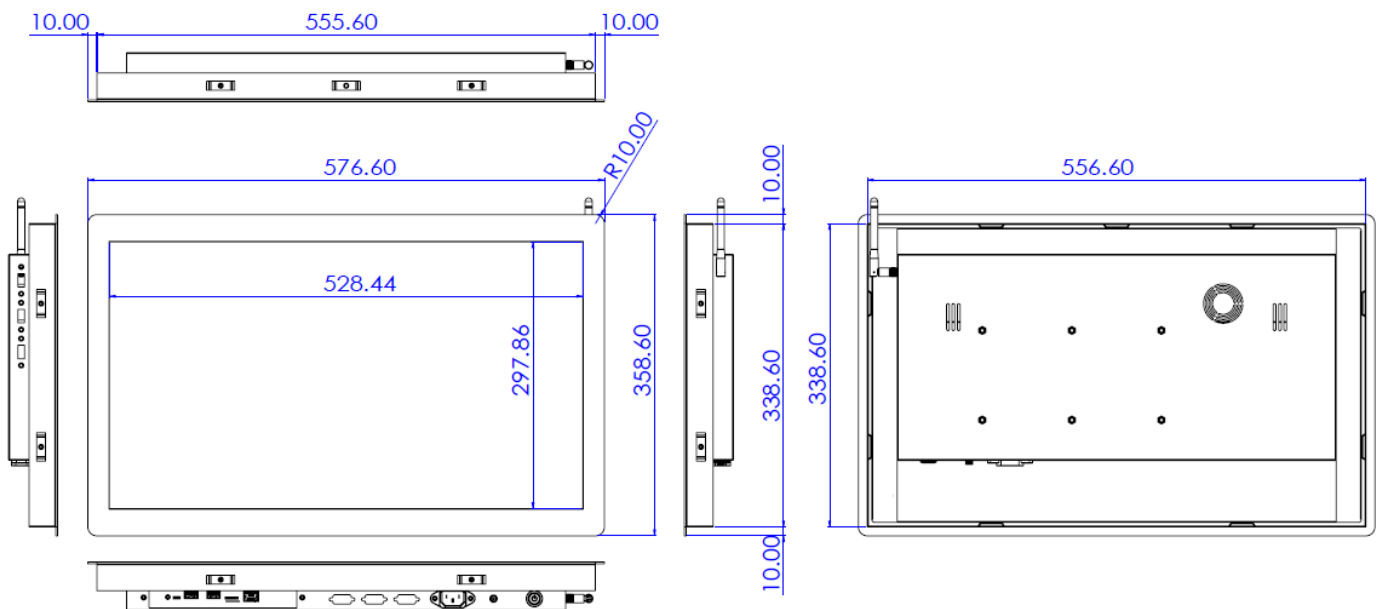


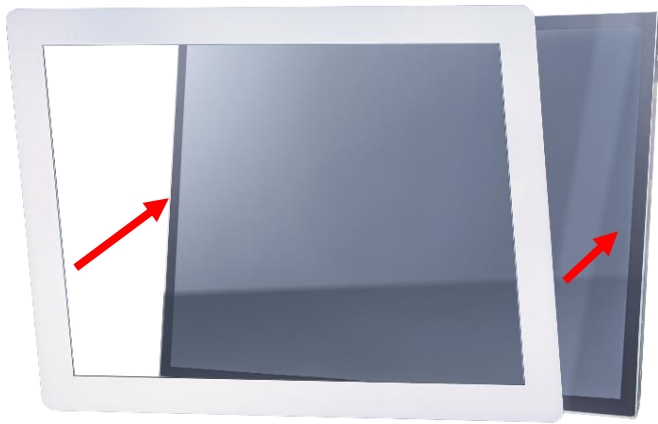
Technical drawing of a rectangular box with dimensions in mm. The drawing includes a top view, a front view, and a side view. The top view shows a rectangle with overall dimensions 490.00 mm by 546.60 mm. The front view shows a height of 19.80 mm. The side view shows a depth of 230.00 mm. The drawing also includes a detail view of the bottom edge showing a 4.50 mm gap and a 12.00 mm offset.

Panel Mount Kits (Option)

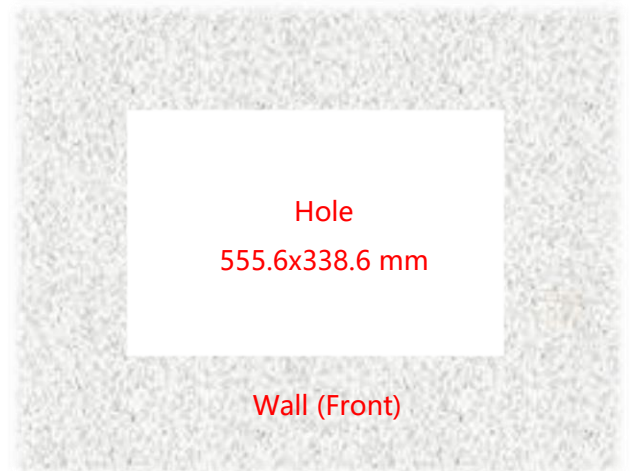


Dimension for Installing with Panel Mount Kits

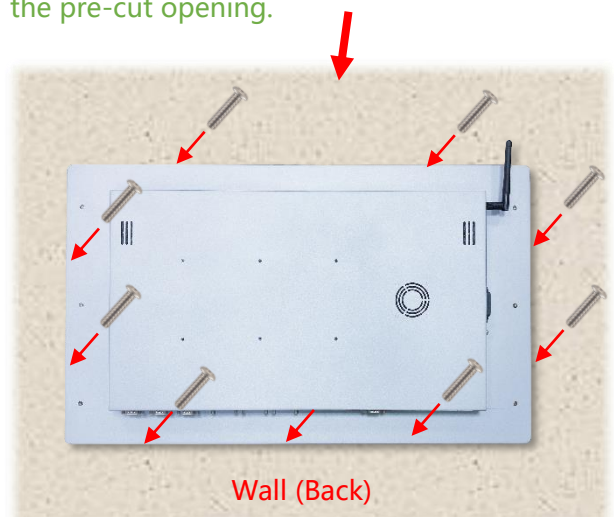




Step 1: Assemble the front module with the screen body. (This step is pre-assembled at the factory.)



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 8 clips can be installed as needed or per positional limitations.)

Desktop Stand (Option)

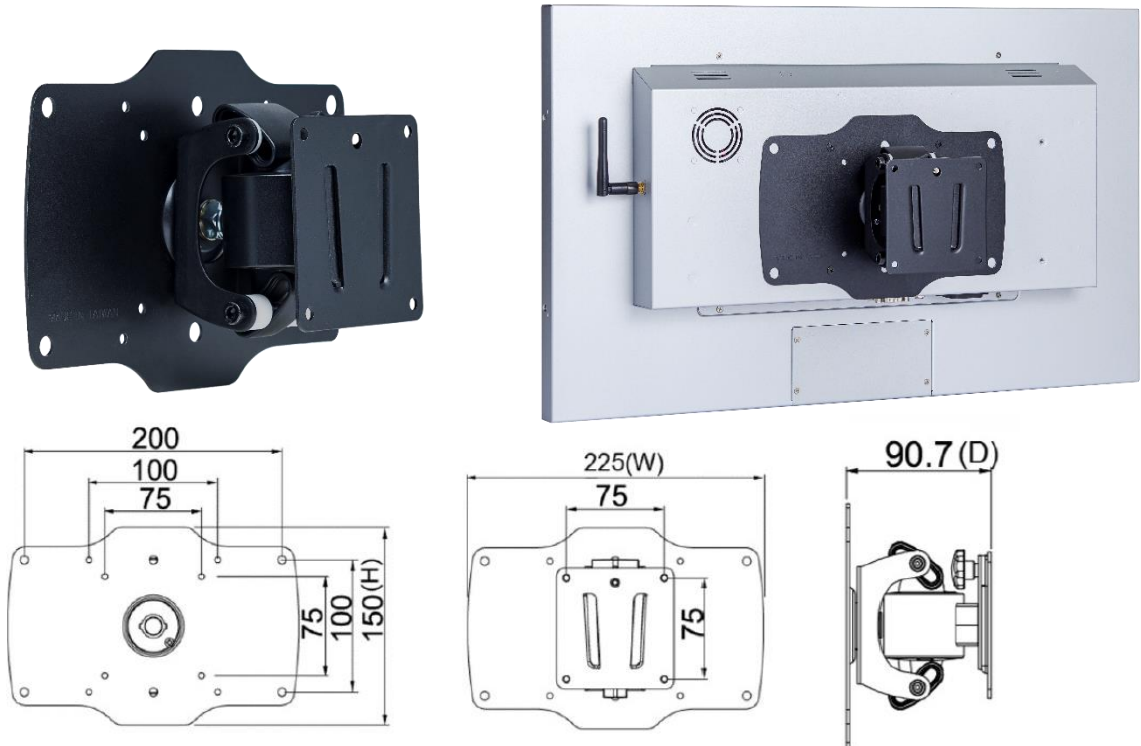
Item	B Stand	Part No.	DST-0B002/DST-1B002
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	203x275x227 mm
Material	Steel/Plastic/Aluminum	Net Weight	1.8 KG
Tilt (Hinge)	-2° ~ +180°	Support Max. Weight	15 KG



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)



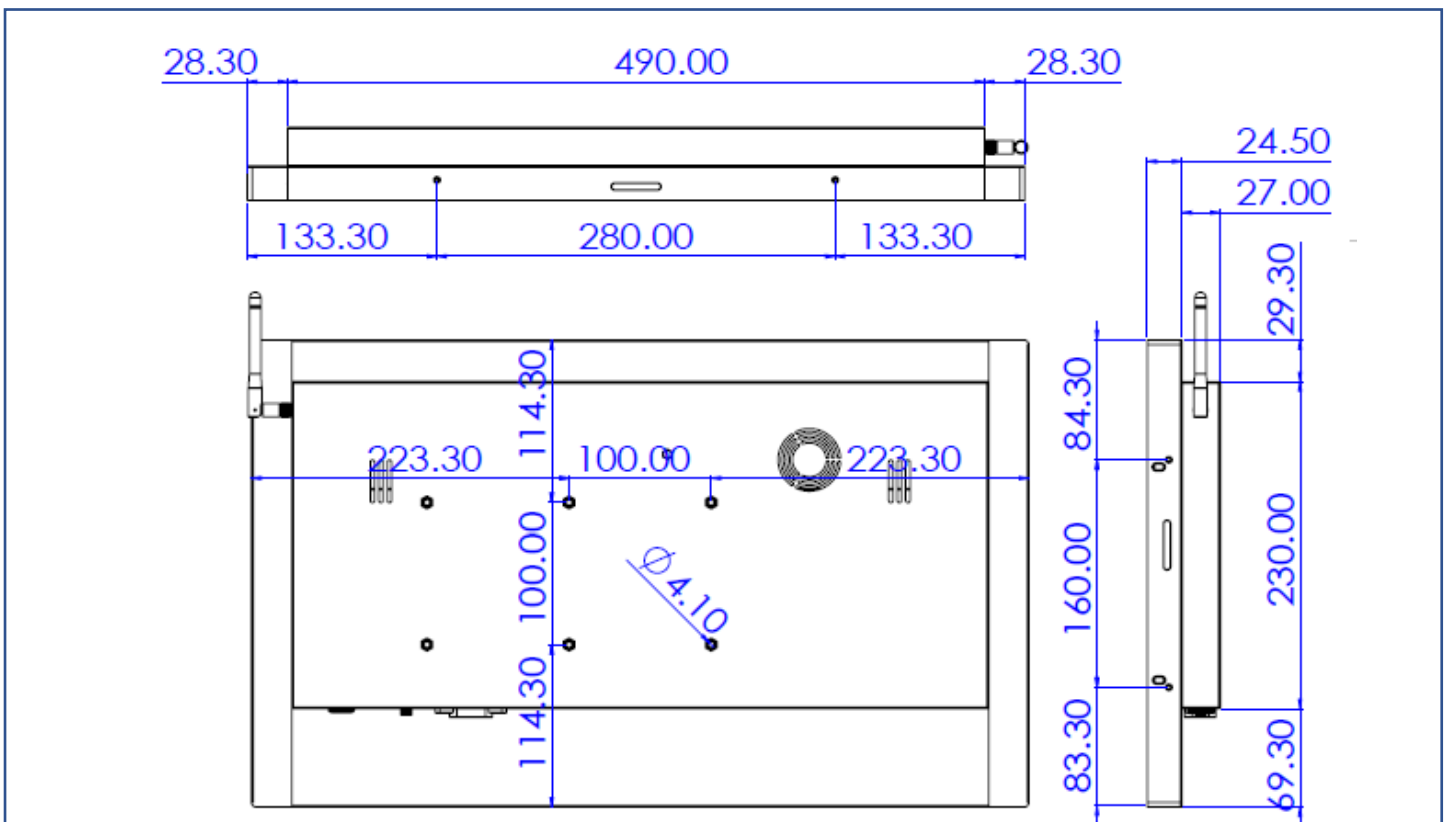
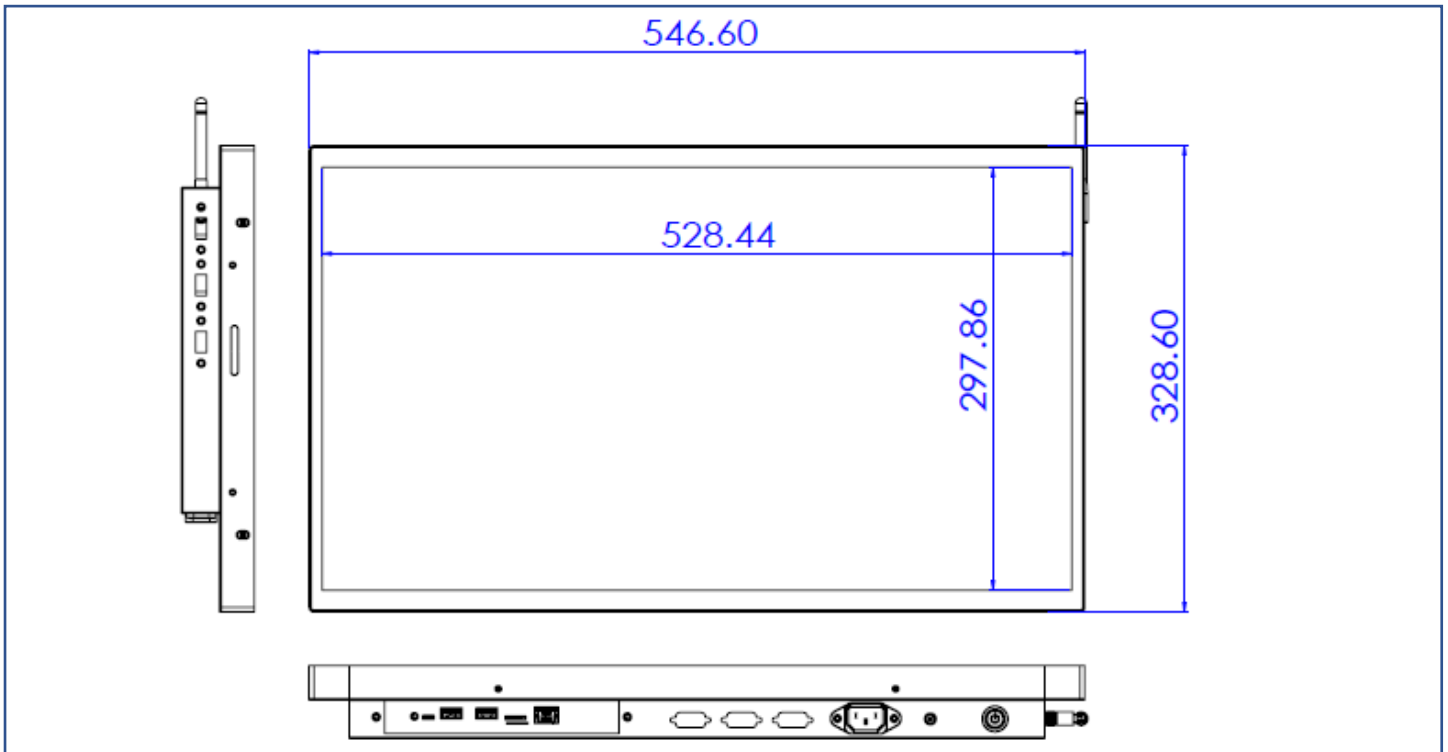
Packing Information



Unit Carton Size	665x160x510 mm
Unit N. Weight	≤6.2 KG
Unit G. Weight	≤7.9 KG
Units per Pallet	30 units
Pallet Size	120x100x147 CM

Physical Specifications

Dimension	544.6x328.6x51.5(±2)mm	Net Weight	≤6.2 KG
VESA Mounting	100x100 mm	Gross Weight	≤7.9 KG



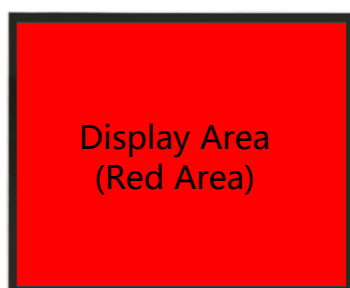
Cosmetic Inspection Standard

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