

Product Specifications

Customer	
Model Name	NTWP170-1 V511
Model Number	NTWP170<u>XXSXX</u>-GI<u>XXXXXX</u>-<u>XXXX</u>-511

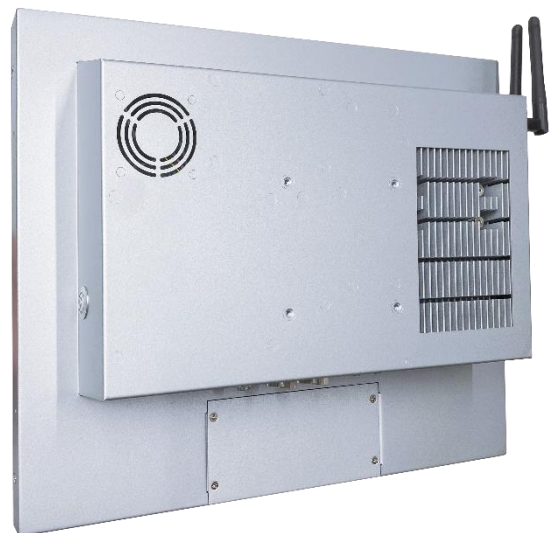
* X = A~Z, 0~9 (Depends on Options.)



Records of Revision			
Vision	Modifying	Old Description	New Description
v2209.1	Preliminary Specification		
v2209.2	Add Stylus Pen Option		
v2209.3	Upgrade Display Specifications	Panel Type: TN Operating Temp.: 0~50°C Viewing Angles: 170°/160° Response Time: 5 msec	Panel Type: IAV Operating Temp: 0~60°C Viewing Angles: 178°/178° Response Time: 25 msec
v2209.4	New trademark released		

Features

- ★ 17 inch, 1280x1024 Resolution
- ★ IAV type, Wide Viewing Angle Technology (178°/178°)
- ★ Intel® 11th Generation Core i Series CPU
- ★ DDR4 8G RAM (Max. 32G)
- ★ 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 Anti-Glare&UV/Antibacterial/Privacy Filter Surface Treatment



Desktop Stand



Wall Mounting



Open-frame Bracket



Panel Mount

System Specifications

CPU	Intel® 11th Generation Core i Series CPU
Memory	DDR4 SO-DIMM x2, Max. 64G
Storage	Ultra-Fast M.2 with PCIe Gen3 x2, SATA 6Gb/s x1
GPU	Intel® UHD Graphics
Sound Chip	Realtek Audio CODEC
Network	Intel Gigabit LAN, RJ45 ports x2

Display Specifications

Screen Diagonal	432mm (17.0 inch)	Display Mode	IAV Type, Normally Black
Display Area	337.9x270.3 mm	Backlight Unit	LED (white LED)
Resolution	1280x1024	Viewing Angle (L/R, U/D)	178°/178°
Contrast Ratio	1000:1	Response Time	25 msec.
Display Ratio	4:3	Backlight Lifetime	>50,000 Hours
Support Colors	16.7M Colors	Operating Temp.	0~60°C
Pixel Pitch	264x264 um	Storage Temp.	-20~60°C

Display Options

Brightness			
	Brightness	Environment	Model Name
Standard	250nits	General (Indoor)	NTWP170 <u>N</u> X <u>S</u> X <u>X</u> -G <u>I</u> X <u>X</u> X <u>X</u> X- <u>X</u> X <u>X</u> X-511
Option 1	1000nits	Outdoor Environment	NTWP170 <u>A</u> X <u>S</u> X <u>X</u> -G <u>I</u> X <u>X</u> X <u>X</u> X- <u>X</u> X <u>X</u> X-511
Option 2	1500nits	Sunlight Readable	NTWP170 <u>F</u> X <u>S</u> X <u>X</u> -G <u>I</u> X <u>X</u> X <u>X</u> X- <u>X</u> X <u>X</u> X-511

Touch Options

Touch Screen		
	Description	Model Name
Standard	Projected Capacitive Touch	NTWP170XPSXX-GIXXXXX-XXXX-511
Option 1	Resistive Touch	NTWP170X5SXX-GIXXXXX-XXXX-511
Option 2	Non-Touch	NTWP170X0SXX-GIXXXXX-XXXX-511

Projected Capacitive Touch

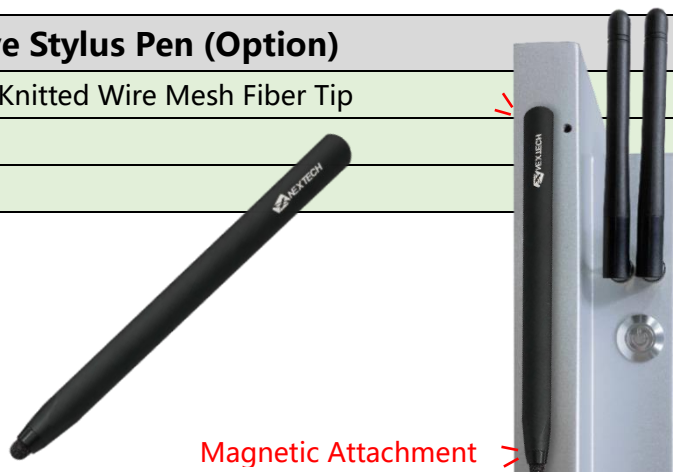
Touch Technology	Projected Capacitive	Thickness of Cover Lens	2.9±0.2mm
Allowed Touch Points	10 points	Hardness of Cover Lens	7H
Transparency	≥87%	IK Ratings	IK07
Accuracy	99.00%		

Resistive Touch

Touch Technology	Resistive Touch	Transparency	80%±5%
Allowed Touch Points	1 point	Surface Treatment	Anti-glare<15%
Precision	98.50%	Hardness	≥3H

Surface Treatment		
	Description	Model Name
Standard	(none)	NTWP170XXS00-GIXXXXX-XXXX-511
Option 1	Anti-Glare&UV Coating	NTWP170XXSGG-GIXXXXX-XXXX-511
Option 2	Antibacterial (AB Film)	NTWP170XXSAB-GIXXXXX-XXXX-511
Option 3	Anti-Spy (AS Film)	NTWP170XXSFF-GIXXXXX-XXXX-511

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



Magnetic Attachment >

System Options

CPU		
	Item	Model Name
Standard	Intel® Core i3-1115G4E	NTWP170XXSXX-GI31XXX-XXXX-511
Option 1	Intel® Core i5-1135G7	NTWP170XXSXX-GI51XXX-XXXX-511
Option 2	Intel® Core i7-1165G7	NTWP170XXSXX-GI71XXX-XXXX-511

Memory		
	Item	Model Name
Standard	DDR4 SO-DIMM 8G	NTWP170XXSXX-GIXX8XX-XXXX-511
Option 1	DDR4 SO-DIMM 16G	NTWP170XXSXX-GIXXAXX-XXXX-511
Option 2	DDR4 SO-DIMM 32G	NTWP170XXSXX-GIXXBXX-XXXX-511
Option 3	DDR4 SO-DIMM 64G	NTWP170XXSXX-GIXXCXX-XXXX-511

Storage		
	Item	Model Name
Standard	SSD 128G	NTWP170XXSXX-GIXXXS1-XXXX-511
Option 1	SSD 256G	NTWP170XXSXX-GIXXXS2-XXXX-511
Option 2	SSD 512G	NTWP170XXSXX-GIXXXS3-XXXX-511
Option 3	SATA HDD 1T	NTWP170XXSXX-GIXXXH1-XXXX-511
Option 4	SSD 128G + SATA HDD 1T	NTWP170XXSXX-GIXXXSH-XXXX-511

Material of Cabinet		
	Description	Model Name
Standard	SECC	NTWP170XXSXX-GIXXXXX-SXXX-511
Option 1	Stainless Steel	NTWP170XXSXX-GIXXXXX-LXXX-511
Option 2	Aluminum	NTWP170XXSXX-GIXXXXX-AXXX-511

System Options (Continued)

Color of Cabinet		
	Description	Model Name
Standard	Silver	NTWP170XXSXX-GIXXXXXX-<u>X</u>SXX-511
Option 1	White	NTWP170XXSXX-GIXXXXXX- <u>X</u> WXX-511
Option 2	Black	NTWP170XXSXX-GIXXXXXX- <u>X</u> BXX-511
Options	Other Colors	NTWP170XXSXX-GIXXXXXX- <u>X</u> XXX-511

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

Cooling Fan		
	Description	Model Name
Standard	Fanless	NTWP170XXSXX-GIXXXXXX-<u>XX</u>0X-511
Option	7 Blades/4000r.p.m/28.3dB	NTWP170XXSXX-GIXXXXXX- <u>XX</u> FX-511

Power Input		
	Description	Model Name
Standard	9~24VDC-in, with AC/DC Adapter	NTWP170XXSXX-GIXXXXXX-<u>XXX</u>5-511
Option	100~240VAC, C14 AC Power Socket	NTWP170XXSXX-GIXXXXXX- <u>XXX</u> A-511

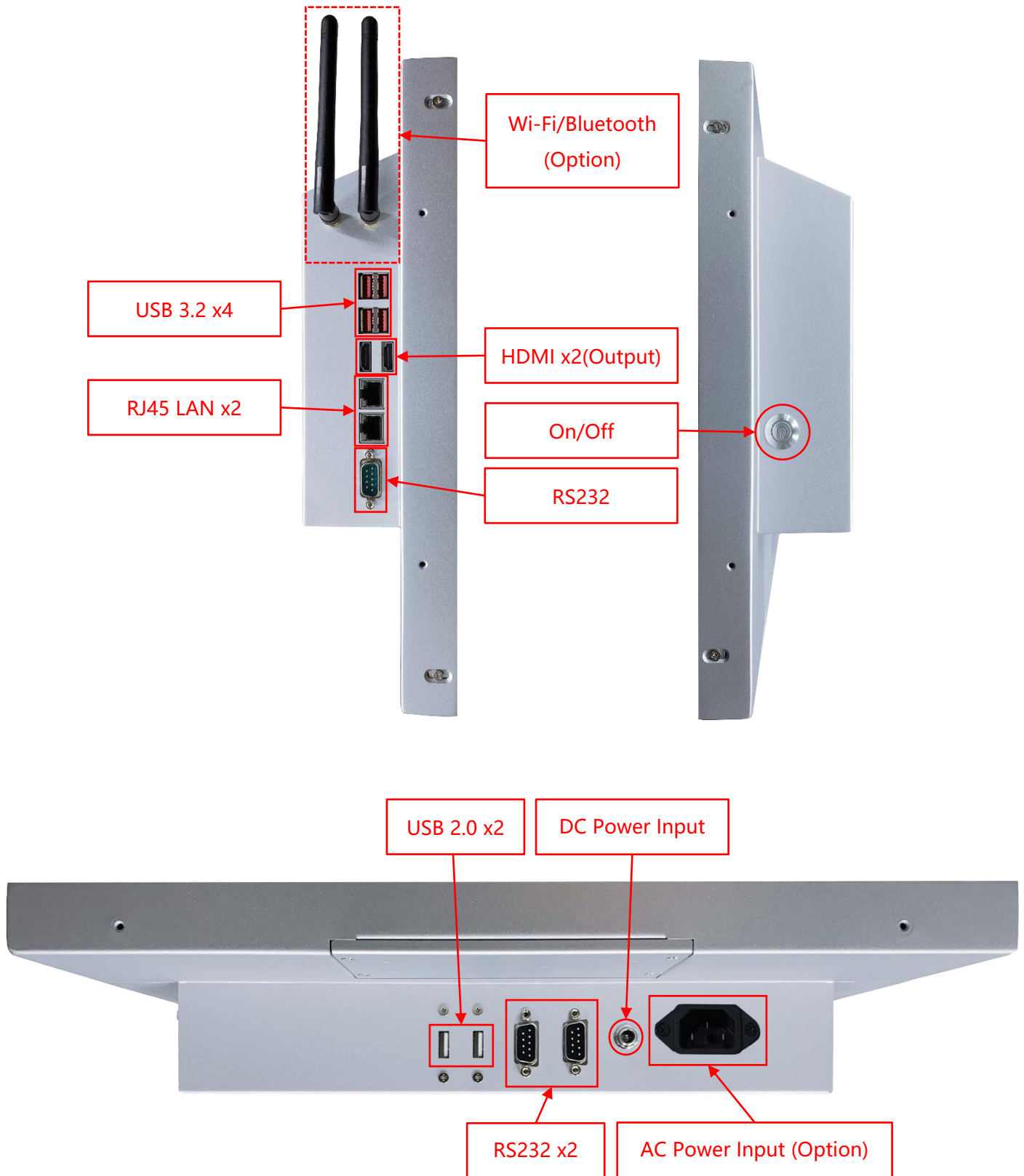


DC-in



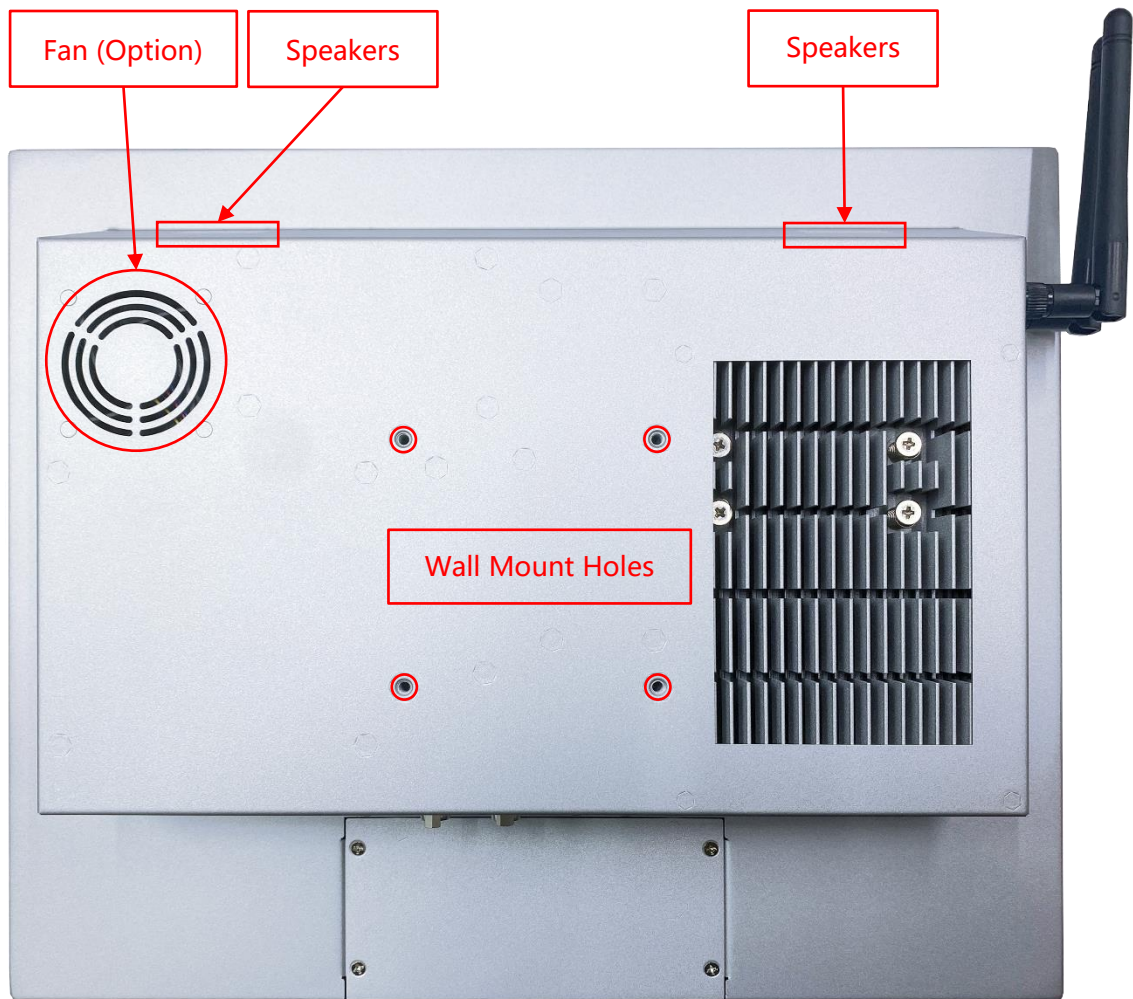
AC-in

Input /Output System



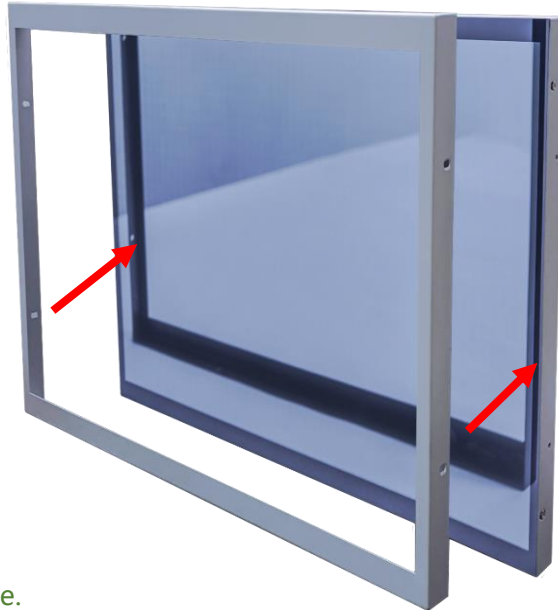
Nextech WP Series 17" All-in-one Touch PC

NTWP170-1 V511



Input / Output	Connectors	Input / Output	Connectors
HDMI (Output)	2	Speakers	2W x2
USB 3.2 Gen2	4	DC Power Input	1
USB 2.0	2	AC Power Input	Option
RS232	3	Wi-Fi/Bluetooth & Antenna	Option
LAN (RJ45)	2		

Front Cover (Option)



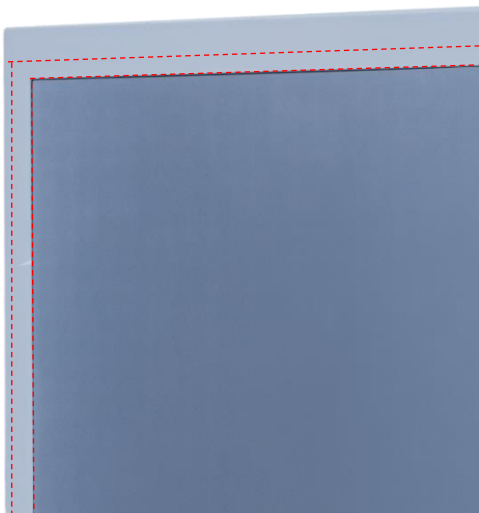
The standard **NTWP170** is true flat surface.

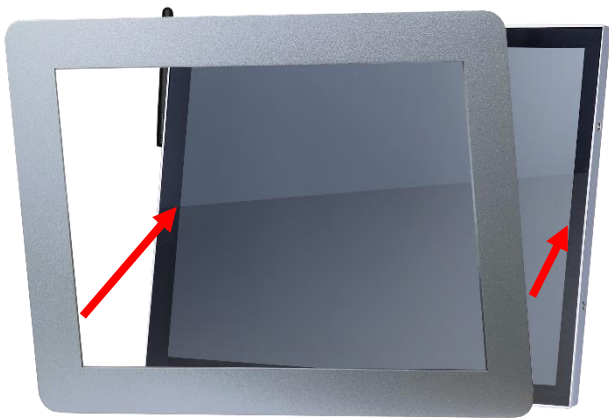
To protect the corners of the touch screen, the Front Cover can be added.



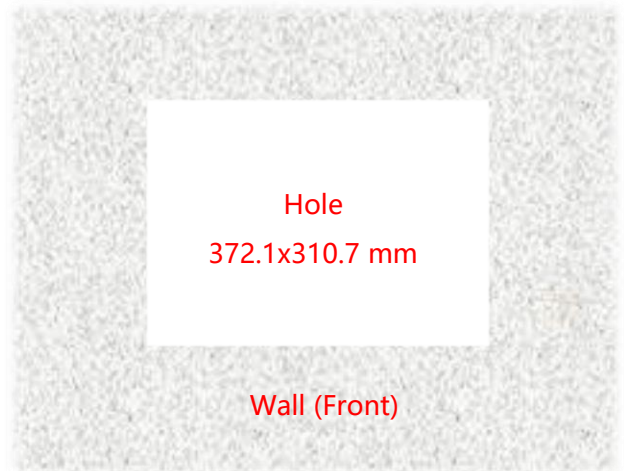
The watertight gasket can be added between the Front Cover and **NTWP170**.

It complies **IP65** on front.

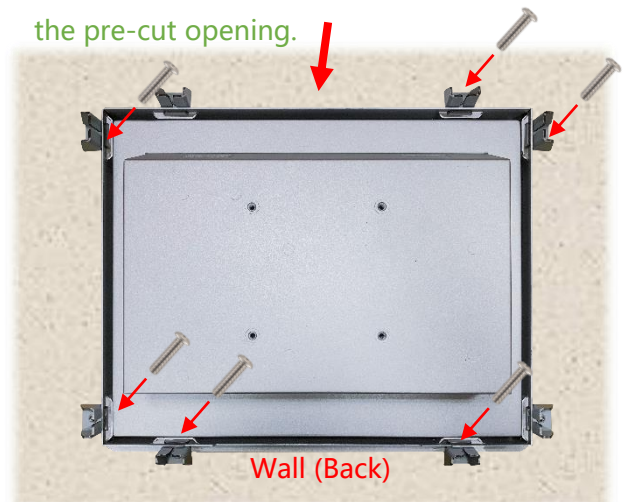




Step 1: Assemble the front module with the screen body. (This step is pre-assembled at the factory.)



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)

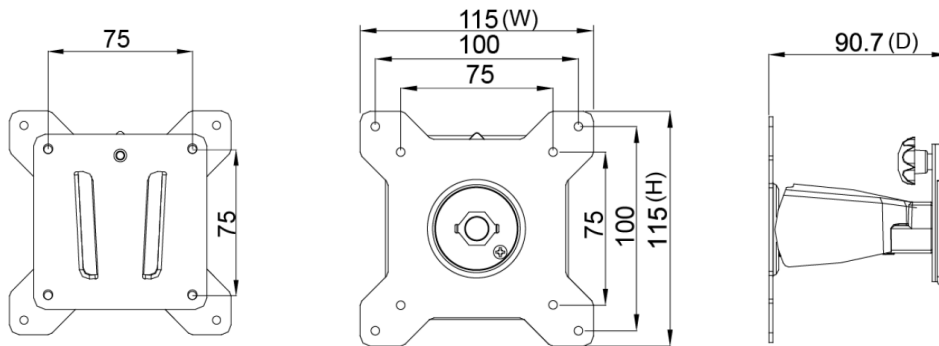
Item	B Stand	Part No.	DST-0B002/DST-1B002
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	203x275x227 mm
Material	Steel/Plastic/Aluminum	Net Weight	1.8 KG
Tilt (Hinge)	-2° ~ +180°	Support Max. Weight	15 KG



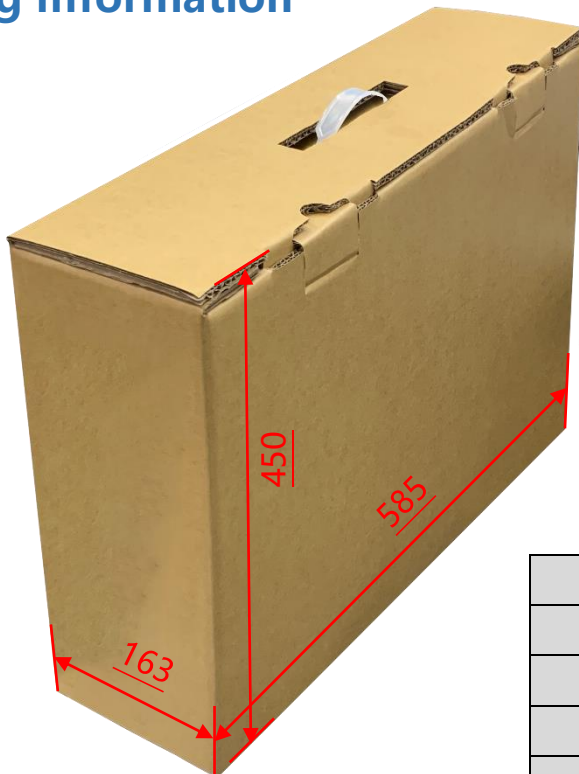
Item	Z Stand	Part No.	DST-0BZ01/DST-1BZ01
Mounting Pattern	100x100 / 75x75 mm	Dimension (WxHxD)	190x240x41.6
Material	SECC	Net Weight	2.6 KG
Tilt (Hinge)	±360°	Support Max. Weight	15 KG



Wall Mount Bracket (Option)



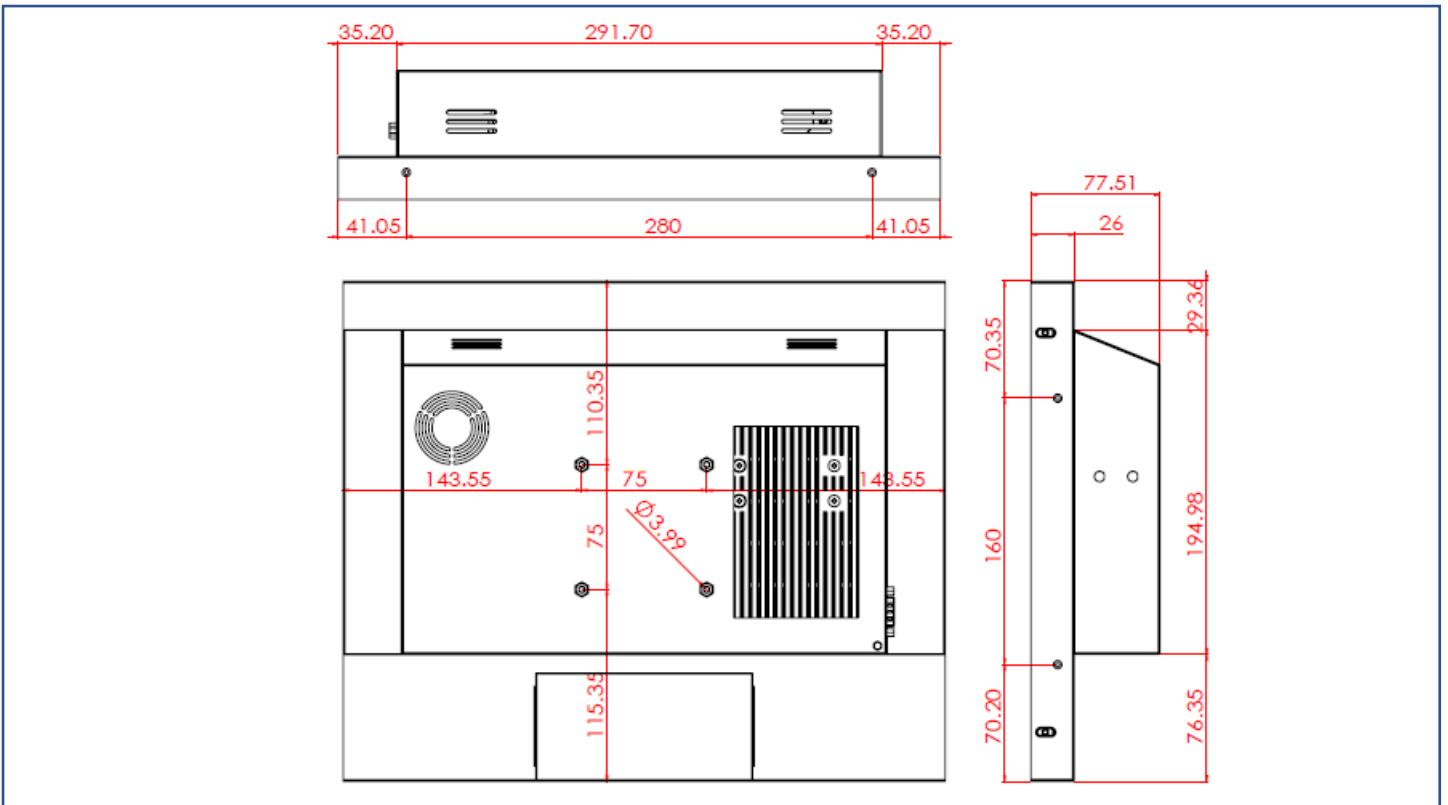
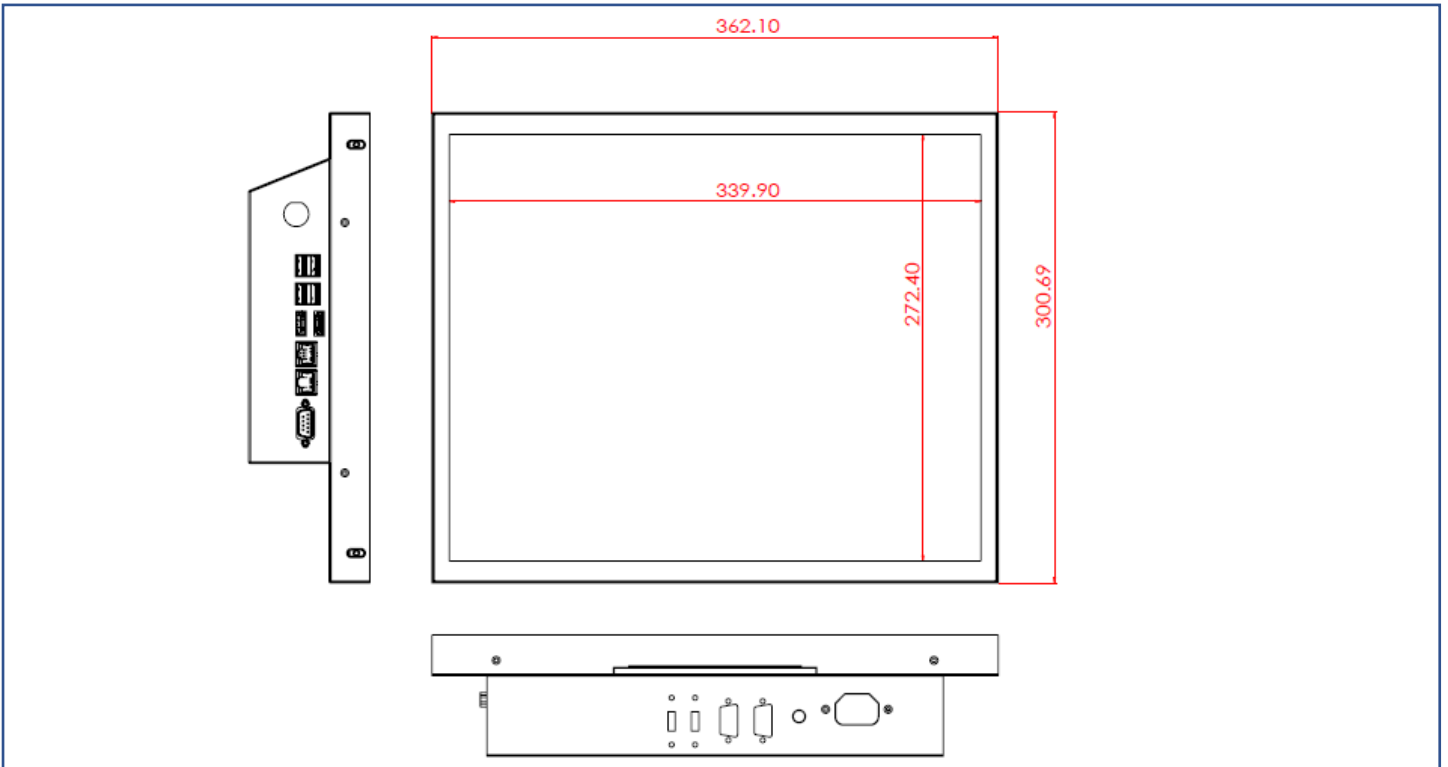
Packing Information



Unit Carton Size	585x163x450 mm
Unit N. Weight	≤4.1 KG
Unit G. Weight	≤5.9 KG
Units per Pallet	36 units
Pallet Size	120x100x147 CM

Physical Specifications

Dimension	362x301x78(±2)mm (W/O Antenna)	Net Weight	≤4.1 KG
VESA Mounting	75x75 mm	Gross Weight	≤5.9 KG



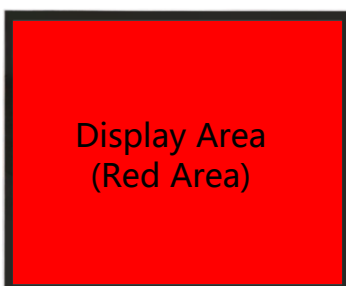
Cosmetic Inspection Standard

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