KS150-MTH

15" Industrial Touch Panel PC



KEY FEATURES

CPU Performance

Intel® Arrow Lake U Processors
Intel® Meteor Lake U Processors

Touch Type

Projected Capacitive /
5-Wire Resistive Touch by required

Triple Display

HDMI + DP++ + USB Type C

Multiple Expansions

M.2 3042/2280 M Key
M.2 2242/3042/3052 B Key
M.2 2230 E Key

Wide Voltage

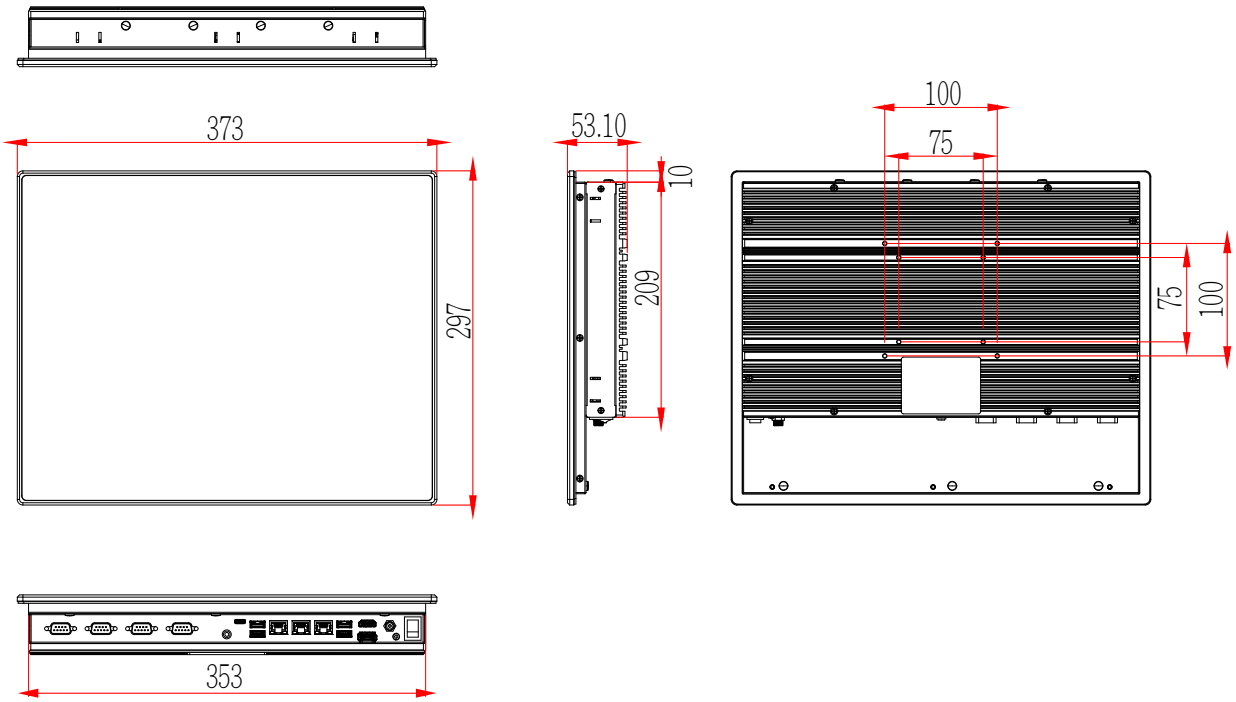
Support 12~28V

PANEL

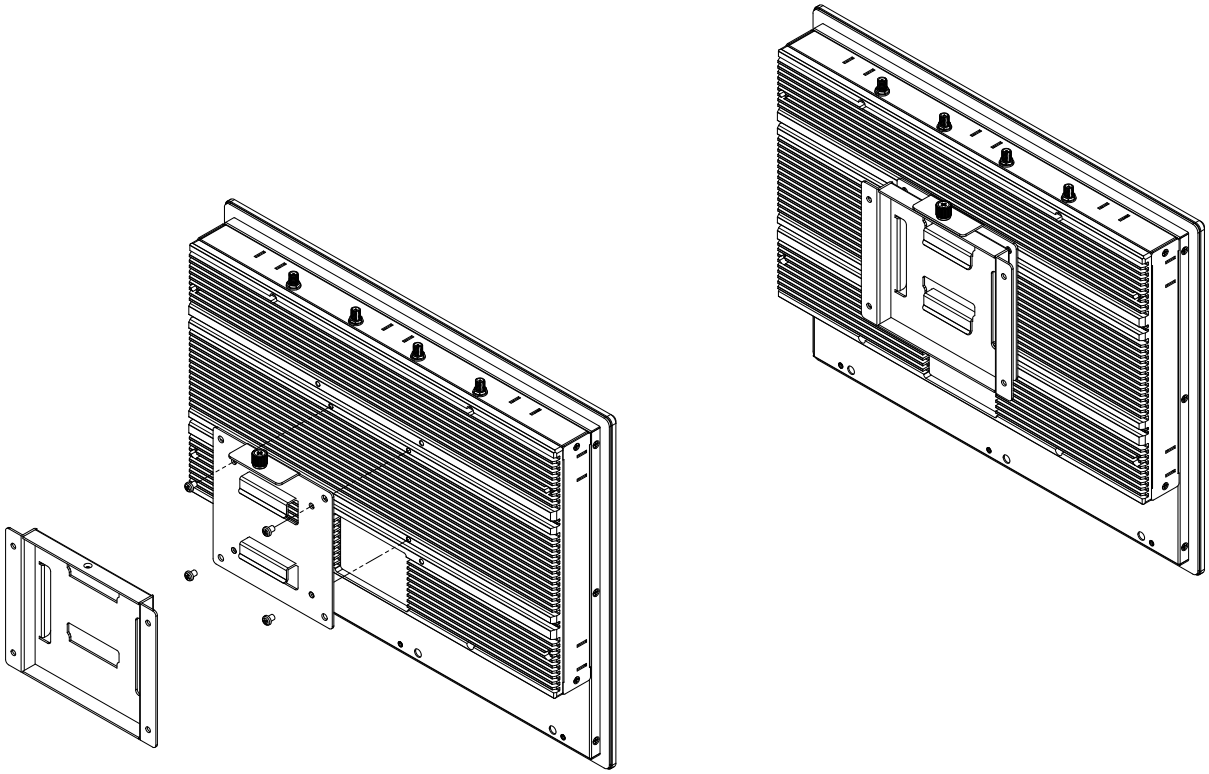


Front View

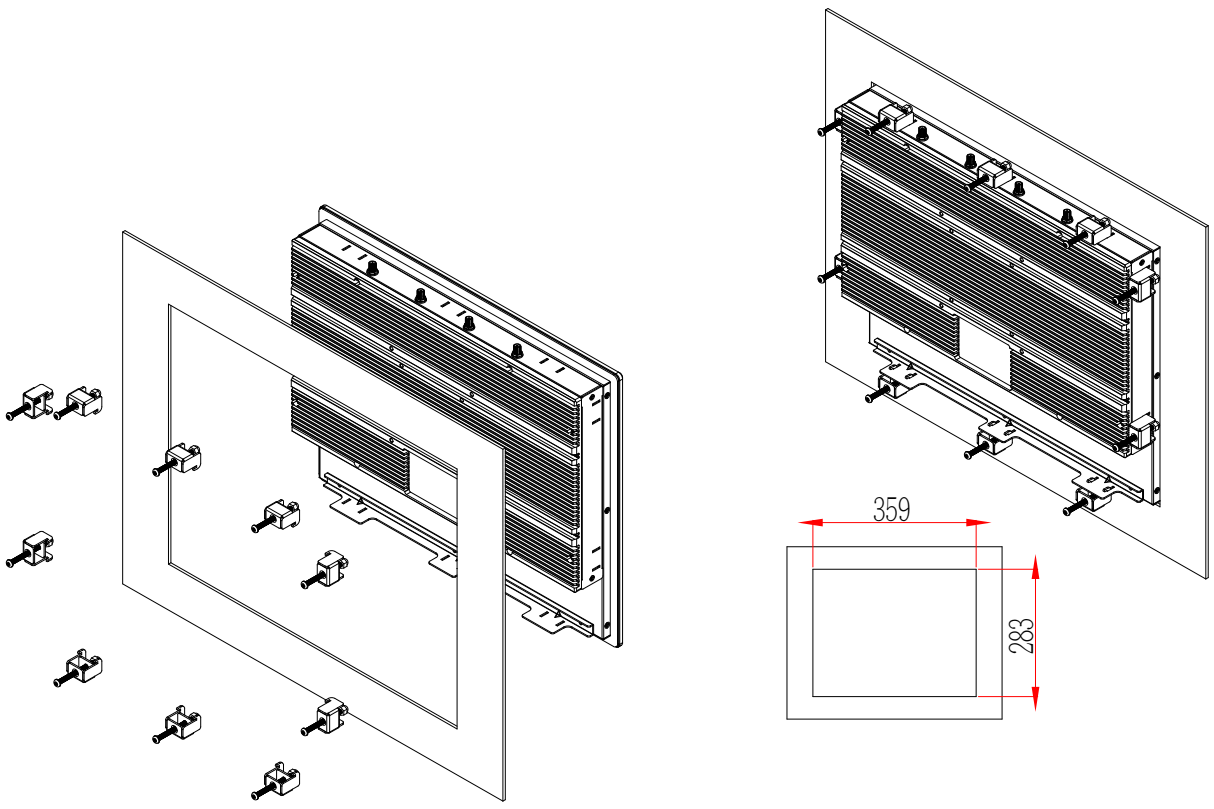
DIMENSIONS



WALL MOUNTING



PANEL MOUNTING



SPECIFICATION

DISPLAY AND TOUCH SCREEN	**Display**	15" TFT LCD Panel
	Contrast	4 : 3
	Max. Resolution	1024 x 768
	Touch Type	Projected Capacitive / 5-Wire Resistive Touch by required
	Brightness	300 (cd/m^2)
	Backlight Lifetime	50,000 (hours)
SYSTEM	**Processor**	**Intel® Arrow Lake U Processors** Intel® Core™ Ultra7 255U (15W) Intel® Core™ Ultra 5 225U (15W) **Intel® Meteor Lake U Processors** Intel® Core™ Ultra7 155U (15W) Intel® Core™ Ultra 5 125U (15W)
	Memory	2x 262-pin SODIMM up to 96GB(MTL)/128GB(ARL) Dual Channel DDR5 5600MHz(MTL)/6400MHz(ARL)
	BIOS	AMI SPI 256Mbit
GRAPHICS	**Controller**	Intel® Graphics (265U/225U/255U)
	Feature	DirectX12.2, OpenGL4.6, OpenCL3.0, H.264, H.265, AV1, VP9, Intel® Quick Sync Video AI Software Frameworks Supported by GPU: OpenVINO™, WindowsML, DirectML, ONNX RT, WebGPU
	Display	1 x DP++ 1 x HDMI 1 x USB Type C (DP alt-mode/USB3.2 Gen2/PD 15W) DP++: resolution up to 4096 x 2304 @ 60Hz HDMI: resolution up to 4096 x 2304 @60Hz USB Type C: resolution up to 4096x2304 @60Hz
	Triple Displays	DP++ + HDMI + USB Type C
STORAGE	**External**	1 x 2.5" SATA 3.0
EXPANSION	**Interface**	1 x M.2 2242/2280 M Key (PCIE Gen4x4, support NVMe) 1 x M.2 2242/3042/3052 B Key (PCIE Gen3x1, USB3.2 Gen2, USB2.0, selected by BIOS) 1 x M.2 2230 E Key (PCIE Gen3x1 and USB2.0, support Intel® CNVi)
I/O	**Ethernet**	3 x 2.5GbE
	Serial	2 x RS-232/422/485 2 x RS-232
	USB	4 x USB 3.2 Gen2 1 x USB Type C
	Display	1 x DP++ 1 x HDMI
	Audio	1 x line-out
	Button	1 x Power Button
SECURITY	**TPM**	dTPM (default) fTPM (option)
POWER	**Type**	DC 12~28V
	Connector	DC Jack
OS SUPPORT	**Microsoft**	Windows 11 IoT Enterprise 64bit
	Linux	Linux
MECHANISM	**Construction**	Aluminum Front Bezel + Sheet Metal
	Mounting	Panel / VESA mount
	IP Rating	IP65 Front Panel Protection
	Dimensions(W x H x D)	373 x 297 x 53.1 mm
	Weight	TBD
ENVIRONMENT	**Operating Temperature**	-10~60°C with 0.6m/s air flow
	Storage Temperature	-30 ~ 80°C
	Relative Humidity	10 to 95% @ 40°C, non-condensing
STANDARDS AND CERTIFICATION	**Shock**	OP: Half-sine, 3G @ 11ms Non-OP: Half-sine, 5G @ 11ms MIL-STD-810H Standard
	Vibration	OP: Random, 1Grms @ 5~500Hz, 30min Non-OP: Sweep sine, 3Grms @ 10~500Hz, 30min MIL-STD-810H Standard
	Certifications	CE, FCC Class A, RoHS, UKCA

ORDERING INFORMATION

Model Name	Part Number	Display Type	Touch Type	Processor	Power	
KS150-MTHW28P-155U	750-KS1503-000G	15" TFT XGA Fan-less Panel PC	Projected Capacitive Touch	Intel® Core™ Ultra 7 155U	DC Input 12-28V DC jack	F/G SYSTEM RoHS
KS150-MTHW28P-125U	750-KS1503-200G			Intel® Core™ Ultra 5 125U		

OPTIONAL ITEMS

Optional Items	Part Number	Description
Power Cord	785-PWRD	Power Cord; Stand(USA/EUR/CH), 1.8m, RoHS
Power Adapter	671-112005-100G	120W, 24/5A, Leve 6, RoHS
Panel Mount	761-TPC120-000G	ACCESSORY PANEL MOUNT KITS, RoHS

Please contact your regional sales representative if you need memory and storage information.

PACKING LIST

- 1 KS150-MTH Touch Panel PC
- 1 Poron foam
- 1 Quick Installation Guide

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