

KIT-ADN Series

Industrial Open Frame Panel PC



KEY FEATURES



Touch Screen

P-Capacitive Touch supports 10 points



LPDDR5

LPDDR5 4800 MHz memory down



Up to Quad Display Support

Support via HDMI/USB-C/LVDS



Easy Integration

Easy installation and maintenance

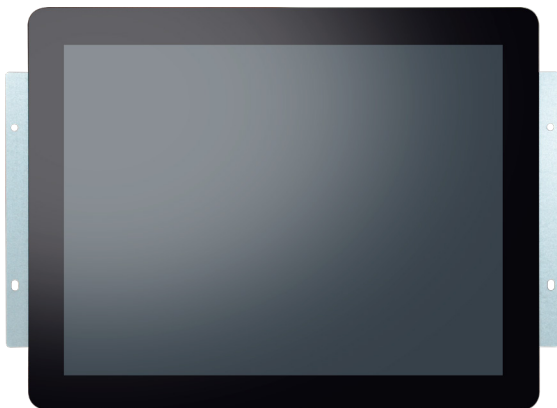


On Board OOB Built-in (Opt.)

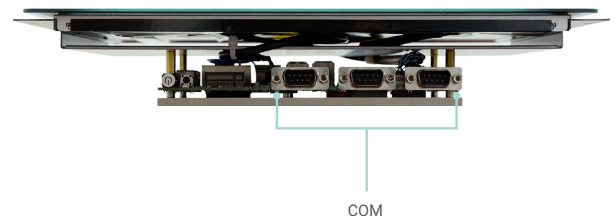
Hardware status remote control & monitor



Panel

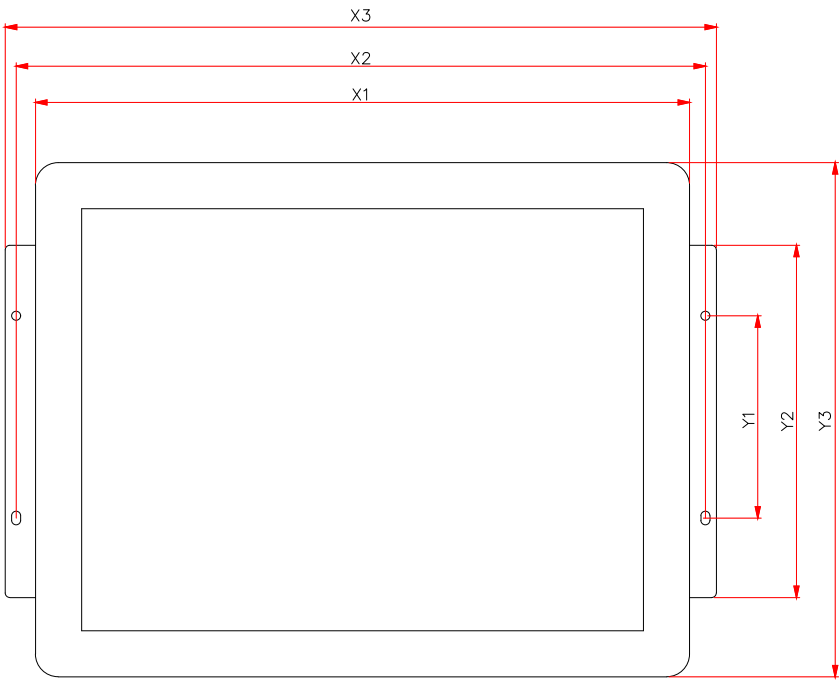


Front View



I/O View

DIMENSIONS



	LCD Dimensions		Bracket Dimensions		Screw-hole Dimensions	
Display Type	X1	Y3	X3	Y2	X2	Y1
10.1" LCD	254.3	173	279.1	132	269.5	74
12.1" LCD	287.8	226.3	312.9	157	303.3	89

Note: The tolerance of dimensions is +- 0.3mm

SPECIFICATION

Model Name		KIT101P-ADN	KIT121P-ADN
DISPLAY & TOUCH SCREEN	Display Type	10.1" TFT LCD	12.1" TFT LCD
	Aspect Ratio	16:10	4:3
	Max. Resolution	1280 x 800	1024 x 768
	Brightness	500 cd/m ²	500 cd/m ²
	Touch Type	Projected Capacitive	Projected Capacitive
	Backlight Lifetime	50,000 hours	30,000 hours
ENVIRONMENT	Operating Temperature	0~50°C with 0.6m/s air flow	0~50°C with 0.6m/s air flow
	Storage Temperature	-30~80°C	-30~80°C
	Relative Humidity	5 to 90% RH (non-condensing)	5 to 90% RH (non-condensing)
SYSTEM	Processor	Intel Alder Lake-N Series Intel PC Client Series Intel® Processor N50 2 Cores, 1.0GHz to 3.4 GHz Intel® Processor N97 4 Cores, 2.0GHz to 2.9 GHz Intel® Processor N200 4 Cores, 1.0GHz to 3.2 GHz Intel® Core™ i3-N305 8 Cores, 1.0GHz to 3.0 GHz Intel® Embedded Series Intel® Atom® X7211E 2 Cores, 1.0GHz to 2.9 GHz Intel® Atom® X7213E 2 Cores, 1.7GHz to 2.9 GHz Intel® Atom® X7425E 4 Cores, 1.5GHz to 2.7 GHz	
	Memory	8GB/16GB LPDDR5 4800 Memory down	8GB/16GB LPDDR5 4800 Memory down
	BIOS	AMI SPI 256Mbit (supports UEFI boot only)	AMI SPI 256Mbit (supports UEFI boot only)
	Graphics	Intel® UHD Graphics	Intel® UHD Graphics
GRAPHICS	Controller	Intel® UHD Graphics	Intel® UHD Graphics
	Feature	Execution Units: Up to 32 EUs 3D API: Open GL 4.6, DirectX12, Vulkan 1.2 (Windows) Mesa 3D, OpenGL 4.6, Vulkan 1.2 (Linux) Precision: FP32, FP16, INT8 Compute: OpenCL 3.0	Execution Units: Up to 32 EUs 3D API: Open GL 4.6, DirectX12, Vulkan 1.2 (Windows) Mesa 3D, OpenGL 4.6, Vulkan 1.2 (Linux) Precision: FP32, FP16, INT8 Compute: OpenCL 3.0
	Display	1 x eDP/LVDS(Default) 1 x HDMI 1.4 1 x USB-C Alt. Mode, one more USB-C(opt.)	1 x eDP/LVDS(Default) 1 x HDMI 1.4 1 x USB-C Alt. Mode, one more USB-C(opt.)
STORAGE	Internal	1 x M.2 2242/2280 M key (SATA/PCIe) 1 x SATA III	1 x M.2 2242/2280 M key (SATA/PCIe) 1 x SATA III
	eMMC	eMMC 32GB/64GB (Opt.)	eMMC 32GB/64GB (Opt.)
EXPANSION	Interface	1 x M.2 2242/2280 M key (PCIex1/SATA) 1 x M.2 2230 E Key (USB2.0/PCIe) 1 x M.2 3042/3052 B key (USB3.0/USB2.0/PCIe)	1 x M.2 2242/2280 M key (PCIex1/SATA) 1 x M.2 2230 E Key (USB2.0/PCIe) 1 x M.2 3042/3052 B key (USB3.0/USB2.0/PCIe)
AUDIO	Audio Codec	ALC888S	ALC888S
ETHERNET	Controller	2 x Intel Ethernet controller i226 2.5GbE (support TSN) 1 x Intel Ethernet controller i210 GbE	2 x Intel Ethernet controller i226 2.5GbE (support TSN) 1 x Intel Ethernet controller i210 GbE
FRONT I/O	Serial	3 x RS232/422/485 DB9 connector	3 x RS232/422/485 DB9 connector
INTERNAL I/O	Serial	2 x RS232	2 x RS232
	Display	1 x 40 pin LVDS/eDP (Default LVDS)	1 x 40 pin LVDS/eDP (Default LVDS)
	SATA	1 x SATA 3.0 1 x 5V SATA Power (support SATA HDD LED via front panel)	1 x SATA 3.0 1 x 5V SATA Power (support SATA HDD LED via front panel)
	Front Panel	1 x front panel	1 x front panel
	SMBus	1 x SMBus	1 x SMBus
REAR I/O	Ethernet	2 x 2.5GbE RJ45 1 x GbE RJ45	2 x 2.5GbE RJ45 1 x GbE RJ45
	Serial	1 x COM/DIO port	1 x COM/DIO port
	USB	3 x USB 3.2 type A 1 x USB-C 3.2	3 x USB 3.2 type A 1 x USB-C 3.2
	Display	1 x HDMI	1 x HDMI
	Audio	1 x 3.5mm Line out/Mic In	1 x 3.5mm Line out/Mic In
	Storage	1 x MicroSD	1 x MicroSD
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	System Reset, Programmable via Software from 1 to 255 Seconds
SECURITY	TPM	TPM 2.0 (Available Upon Request)	TPM 2.0 (Available Upon Request)
POWER	Type	Wide Range 9~36VDC	Wide Range 9~36VDC
	Connector	DC Jack (or vertical type 4pin connector)	DC Jack (or vertical type 4pin connector)
	RTC Battery	CR2032 Coin Cell	CR2032 Coin Cell
OS SUPPORT	Microsoft	Windows 11 IoT Enterprise	Windows 11 IoT Enterprise
	Linux	Ubuntu 22.04	Ubuntu 22.04
MECHANISM	Dimension (W x H x D)	279.1 x 172.95 x 76.4	312.9 x 226.25 x 78
	Weight	TBD	TBD
CERTIFICATION	Certification	CE / FCC Class A / RoHS	CE / FCC Class A / RoHS

ORDERING INFORMATION

Model Name	Part Number	Display Type	Touch Type	Processor	Memory	Power
KIT101P-ADN	750-KIT1011-000G	10.1" TFT WXGA Open frame	Projected Capacitive Touch	Intel® Processor N97	8GB	DC Input 9-36V DC jack
KIT121P-ADN	750-KIT1211-000G	12.1" TFT WXGA Open frame				

PACKING LIST

• 1 x Open Frame Panel PC
• 1 x 2-pin Terminal Block Connector
• 2 x M2 Screw
• 1 x Terminal block for RS485