

XPC-1500/1800/2100 SERIES

ULTRA-SLIM BEZEL, FANLESS, ANTI-SPRAY



15.6" / 18.5" / 21.5" WIDESCREEN 10-POINT PCT FLAT PANEL PC
WITH INTEL® KABY LAKE U-SERIES PROCESSORS

- ▶ 1x HDMI 2.0, 1x DP for display output
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mPCIe, 1x M.2 Key B for expansion

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Powered by 7th Generation Intel® Kaby Lake U-Series Processors, Quanmax XPC-1500/1800/2100 Series Flat Panel PC has greatly improved graphics performance, power efficiency and wireless connectivity. In addition to 1x HDMI 2.0, 1x DP, 2x GbE LAN, 4x USB 3.0 and 2x RS232/422/485 for display output, Ethernet and peripheral applications, it reserves 1x mPCIe and 1x M.2 Key B for wireless, storage or other possible functional expansion.

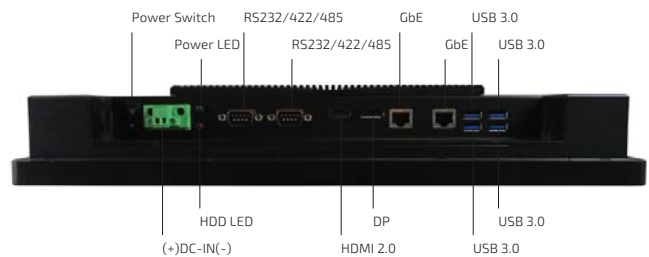
The ultra-slim frame design is its another important feature, which provides an almost zero-frame screen and puts no

boundary on the visual enjoyment. In addition, the widescreen with 16:9 aspect ratio and 10-point PCT multi-touch function can provide comfortable viewing experience to operators and allow multi-window display without toggling.

Finally, the IP65-rated flat panel front design with 6H hardness glassy surface can provide good resistance against water spray, contamination, scratch or abrasion, making it suitable for harsh environments. It is therefore ideal for a wide range of industrial applications.

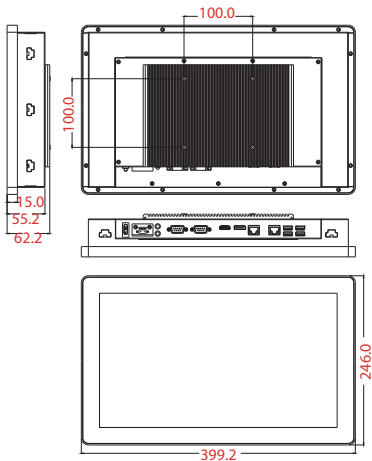
▶ PRODUCT HIGHLIGHTS

- ▶ 15.6" / 18.5" / 21.5" widescreen 10-point PCT multi-touch LCD display
- ▶ Intel® Kaby Lake U-Series Processors
- ▶ 2x DDR4 SO-DIMM
- ▶ 1x HDMI 2.0, 1x DP for video output
- ▶ Triple display support
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mPCIe, 1x M.2 Key B for expansion
- ▶ Passive cooling design
- ▶ IP65-rated front design
- ▶ Flat panel design
- ▶ Ultra-slim frame design
- ▶ Glass hardness of 6H

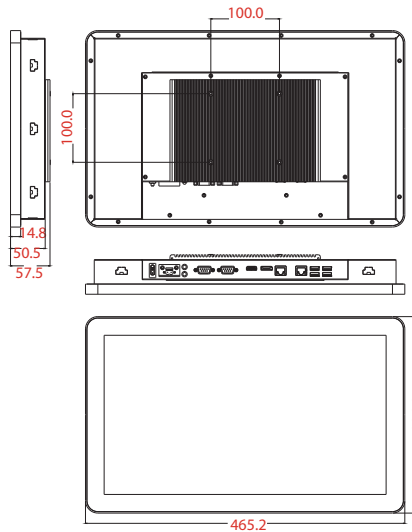


▶ MECHANICAL DIMENSIONS

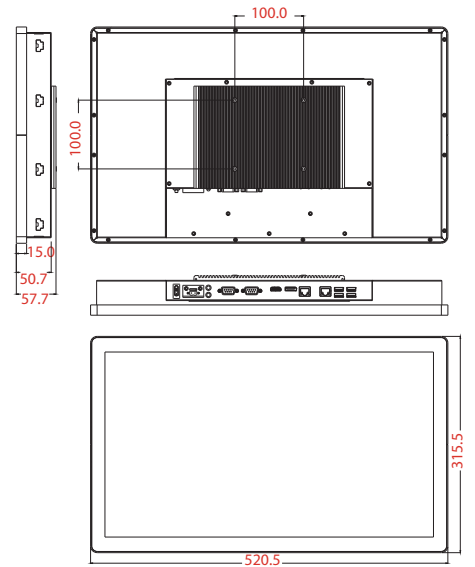
▶ 15.6" Model



▶ 18.5" Model



▶ 21.5" Model



unit: mm

TECHNICAL INFORMATION

SYSTEM	PROCESSOR	Intel® Core™ i3-7100U (Dual Core, 3M Cache, 2.40 GHz, FCBGA1356, 15 W TDP) Intel® Core™ i7-7600U (Dual Core, 4M Cache, up to 3.90 GHz, FCBGA1356, 15 W TDP) Intel® Core™ i5-7300U (Dual Core, 3M Cache, up to 3.50 GHz, FCBGA1356, 15 W TDP) Intel® Celeron® 3965U (Dual Core, 2M Cache, 2.20 GHz, FCBGA1356, 15 W TDP)
	MEMORY	2x DDR4 2133 SO-DIMM up to 16 GByte
VIDEO	GRAPHICS	Intel® HD Graphics 610 (Celeron® CPU) Intel® HD Graphics 620 (Core™ i CPU)
	DISPLAY SIZE	15.6 inch 18.5 inch 21.5 inch
	ASPECT RATIO	16:9 16:9 16:9
	BACKLIGHT	LED LED LED
	RESOLUTION	1366 x 768 WXGA 1366 x 768 WXGA 1920 x 1080 Full HD
	BRIGHTNESS (cd/m², typ.)	300 300 250
	CONTRAST RATIO (typ.)	500:1 1000:1 5000:1
	COLOR	262K / 16.7M 16.7M 16.7M
	VIEWING ANGLE (L/R/H/L)	80° / 80° / 80° / 80° 85° / 85° / 80° / 80° 89° / 89° / 89° / 89°
	TOUCH	10-point PCT 10-point PCT 10-point PCT
	DISPLAY INTERFACE	1x HDMI 2.0 (on rear, 4096 x 2160 @ 60 Hz) 1x DP (on rear, 4096 x 2304 @ 60 Hz)
	MULTIPLE DISPLAY	Triple
NETWORK CONNECTION	ETHERNET	2x GbE LAN (RJ45 on rear, 1x Intel® I219-LM, 1x Intel® I210-AT)
PERIPHERAL CONNECTION	USB	4x USB 3.0 (Type A on rear)
	SERIAL PORT	2x RS232/422/485 (DB9 on rear, w/ auto flow control for RS485)
STORAGE & EXPANSION		1x 2.5" SATA 3.0 HDD / SSD 1x mPCIe (full size) 1x M.2 Key B Socket (mixed w/ USB 2.0 or SATA) 1x SIM Card Cage (optional, switchable for mPCIe or M.2)
POWER	CONNECTOR	2-pin Phoenix Connector (on rear)
	INPUT VOLTAGE	DC 12 V @ 60 W (Optional DC 24 V)
FIRMWARE	BIOS	AMI uEFI BIOS w/ 128 Mb SPI Flash
	WATCHDOG	Programmable WDT to generate system reset event
	H/W MONITOR	Voltages, Temperatures
	REAL TIME CLOCK	Processor integrated RTC
	TPM	Supported by default for model w/ Core™ i7 / i5 CPU, optional for others (Infineon SLB 9665 TPM 2.0)
	iAMT	Supported for model w/ Core™ i7 / i5 CPU
SYSTEM CONTROL	BUTTON & SWITCH	1x Power Switch (on rear)
	INDICATOR	1x Power LED (on rear) 1x HDD LED (on rear)
COOLING	COOLING METHOD	Passive
SOFTWARE	OS SUPPORT	Windows 10 IoT
MECHANICAL	Construction	Glass Surface + Metal Chassis w/ Ultra-slim Frame + Aluminum Heat Sink
	DIMENSIONS - W	399.2 mm / 15.72" 465.2 mm / 18.31" 520.5 mm / 20.49"
	DIMENSIONS - H	246.0 mm / 9.69" 286.3 mm / 11.27" 315.5 mm / 12.42"
	DIMENSIONS - D	62.2 mm / 2.45" 57.5 mm / 2.26" 57.7 mm / 2.27"
	WEIGHT	5100 g / 11.24 lb 6200 g / 13.67 lb 6200 g / 13.67 lb
	MOUNTING	VESA Mount, Panel Mount
ENVIRONMENTAL	OPERATION TEMPERATURE	0 °C ~ 50 °C / 32 °F ~ 122 °F
	STORAGE TEMPERATURE	-20 °C ~ 85 °C / -4 °F ~ 185 °F
	HUMIDITY	0 % ~ 95 %
CERTIFICATION	EMC & SAFETY	CE, FCC Class A
	INGRESS PROTECTION	IP65 (front)

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
XPC-1500	15.6" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XPC-1501	15.6" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XPC-1502	15.6" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XPC-1503	15.6" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT
XPC-1800	18.5" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XPC-1801	18.5" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XPC-1802	18.5" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XPC-1803	18.5" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT
XPC-2100	21.5" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XPC-2101	21.5" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XPC-2102	21.5" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XPC-2103	21.5" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT

OPTIONAL ACCESSORIES

VESA MOUNTING KIT	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm, dimension: 163 mm x 130 mm
POWER ADAPTER	AC to DC, 100 V ~ 240 V
POWER CORD	