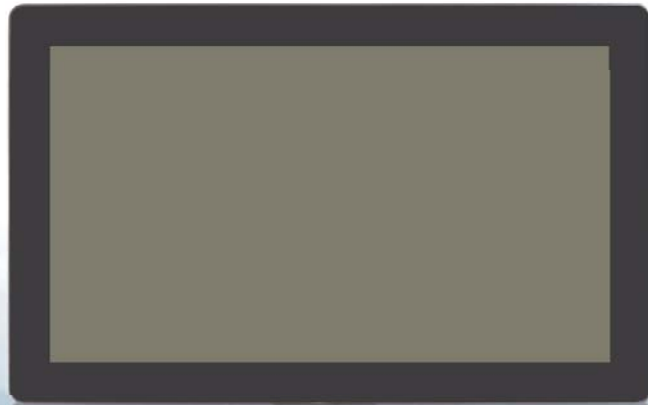


# XtremeClient-KLU

ULTRA-SLIM BEZEL, FANLESS, ANTI-SPRAY

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15.6" / 18.5" / 21.5" / 23.8" WIDESCREEN 10-POINT PCAP PANEL PC  
WITH 7TH GEN INTEL® CORE™ / CELERON® U-SERIES CPU

- ▶ 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

# XtremeClient-KLU

## 15.6" / 18.5" / 21.5" / 23.8" WIDESCREEN 10-POINT PCAP PANEL PC WITH 7TH GEN INTEL® CORE™ U-SERIES CPU

Powered by 7th Generation Intel® Core™ / Celeron® U-Series Processors, XtremeClient-KLU 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.

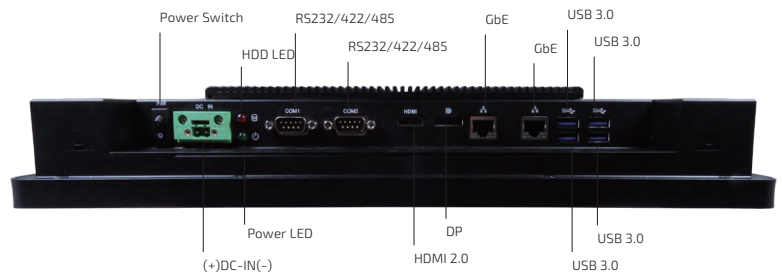
The ultra-slim frame design is its another important feature, which provides an almost zero-frame screen and puts no boundary on

the visual enjoyment. In addition, the widescreen with 16:9 aspect ratio and 10-point PCAP 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.

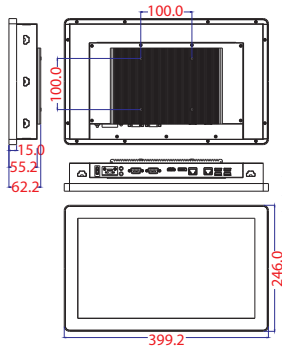
### ▶ PRODUCT HIGHLIGHTS

- ▶ 15.6" / 18.5" / 21.5" / 23.8" widescreen 10-point PCAP multi-touch LCD display
- ▶ 7th Generation Intel® Core™ / Celeron® U-Series Processors
- ▶ 2x DDR4 SO-DIMM memory socket
- ▶ 1x HDMI 2.0, 1x DP for video output
- ▶ Triple display support
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0 for USB device connection
- ▶ 2x RS232/422/485 for serial device connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD support
- ▶ 1x mPCIe, 1x M.2 Key B for expansion
- ▶ Passive cooling design
- ▶ IP65-rated front design
- ▶ Fully flat front design
- ▶ Ultra-slim frame design
- ▶ Glass hardness of 6H

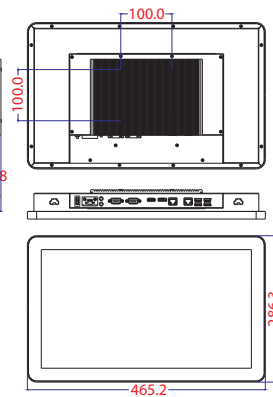


### ▶ MECHANICAL DIMENSIONS

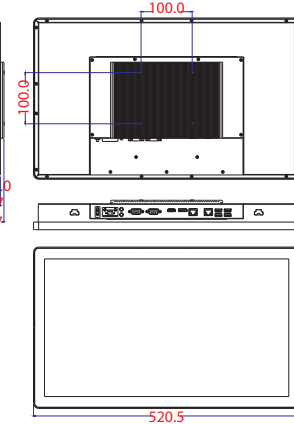
▶ 15.6" Model



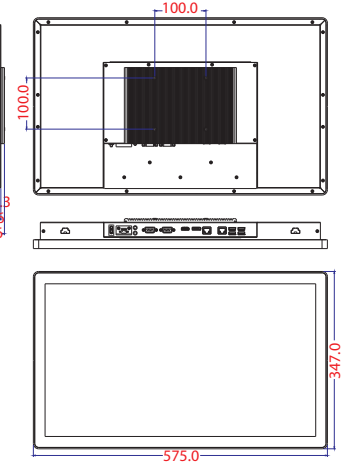
▶ 18.5" Model



▶ 21.5" Model



▶ 23.8" Model



unit: mm

## TECHNICAL INFORMATION

<b>SYSTEM</b>	<b>PROCESSOR</b>	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)
	<b>MEMORY</b>	2x DDR4 2133 SO-DIMM up to 16 GByte
<b>VIDEO</b>	<b>GRAPHICS</b>	Intel® HD Graphics 610 (Celeron® CPU) Intel® HD Graphics 620 (Core™ i CPU)
	<b>DISPLAY SIZE</b>	15.6 inch      18.5 inch      21.5 inch      23.8 inch
	<b>ASPECT RATIO</b>	16:9            16:9            16:9            16:9
	<b>BACKLIGHT</b>	LED            LED            LED            LED
	<b>RESOLUTION</b>	1366 x 768 WXGA    1366 x 768 WXGA    1920 x 1080 Full HD    1920 x 1080 Full HD
	<b>BRIGHTNESS (cd/m², typ.)</b>	300            300            250            400
	<b>CONTRAST RATIO (typ.)</b>	500:1          1000:1        5000:1        1000:1
	<b>COLOR</b>	262K / 16.7M    16.7M        16.7M        16.7M
	<b>VIEWING ANGLE (L/R/H/L, °)</b>	80 / 80 / 80 / 80    85 / 85 / 80 / 80    89 / 89 / 89 / 89    89 / 89 / 89 / 89
	<b>TOUCH</b>	10-point PCT    10-point PCT    10-point PCT    10-point PCT
	<b>DISPLAY INTERFACE</b>	1x HDMI 2.0 (on rear, 4096 x 2160 @ 60 Hz) 1x DP (on rear, 4096 x 2304 @ 60 Hz)
	<b>MULTIPLE DISPLAY</b>	Triple
<b>NETWORK CONNECTION</b>	<b>ETHERNET</b>	2x GbE LAN (RJ45 on rear, 1x Intel® I219-LM, 1x Intel® I210-AT)
<b>PERIPHERAL CONNECTION</b>	<b>USB</b>	4x USB 3.0 (Type A on rear)
	<b>SERIAL PORT</b>	2x RS232/422/485 (DB9 on rear, w/ auto flow control for RS485)
<b>STORAGE &amp; EXPANSION</b>		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)
<b>POWER</b>	<b>CONNECTOR</b>	2-pin Phoenix Connector (on rear)
	<b>INPUT VOLTAGE</b>	DC 12 V @ 60 W (Optional DC 24 V)
<b>FIRMWARE</b>	<b>BIOS</b>	AMI uEFI BIOS w/ 128 Mb SPI Flash
	<b>WATCHDOG</b>	Programmable WDT to generate system reset event
	<b>H/W MONITOR</b>	Voltages, Temperatures
	<b>REAL TIME CLOCK</b>	Processor integrated RTC
	<b>TPM</b>	Supported by default for model w/ Core™ i7 / i5 CPU, optional for others (Infineon SLB 9665 TPM 2.0)
	<b>iAMT</b>	Supported for model w/ Core™ i7 / i5 CPU
<b>SYSTEM CONTROL</b>	<b>BUTTON &amp; SWITCH</b>	1x Power Switch (on rear)
	<b>INDICATOR</b>	1x Power LED (on rear) 1x HDD LED (on rear)
<b>COOLING</b>	<b>COOLING METHOD</b>	Passive
<b>SOFTWARE</b>	<b>OS SUPPORT</b>	Windows 10 IoT
<b>MECHANICAL</b>	<b>Construction</b>	Glass Surface + Metal Chassis w/ Ultra-slim Frame + Aluminum Heat Sink
	<b>DIMENSIONS - W</b>	399.2 mm (15.72")    465.2 mm (18.31")    520.5 mm (20.49")    575.0 mm (22.65")
	<b>DIMENSIONS - H</b>	246.0 mm (9.69")    286.3 mm (11.27")    315.5 mm (12.42")    347.0 mm (13.66")
	<b>DIMENSIONS - D</b>	62.2 mm (2.45")    57.5 mm (2.26")    57.7 mm (2.27")    58.6 mm (2.31")
	<b>WEIGHT</b>	4300 g (9.48 lb)    5200 g (11.46 lb)    6200 g (13.67 lb)    7100 g (15.65 lb)
	<b>MOUNTING</b>	VESA Mount, Panel Mount
<b>ENVIRONMENTAL</b>	<b>OPERATION TEMPERATURE</b>	0 °C ~ 50 °C / 32 °F ~ 122 °F
	<b>STORAGE TEMPERATURE</b>	-20 °C ~ 85 °C / -4 °F ~ 185 °F
	<b>HUMIDITY</b>	0 % ~ 95 %
<b>CERTIFICATION</b>	<b>EMC &amp; SAFETY</b>	CE Class B, FCC Class B, UL
	<b>INGRESS PROTECTION</b>	IP65 (front)

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
XtremeClient-KLU0-156-P	15.6" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XtremeClient-KLU1-156-P	15.6" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XtremeClient-KLU2-156-P	15.6" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XtremeClient-KLU3-156-P	15.6" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT
XtremeClient-KLU0-185-P	18.5" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XtremeClient-KLU1-185-P	18.5" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XtremeClient-KLU2-185-P	18.5" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XtremeClient-KLU3-185-P	18.5" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT
XtremeClient-KLU0-215-P	21.5" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XtremeClient-KLU1-215-P	21.5" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XtremeClient-KLU2-215-P	21.5" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XtremeClient-KLU3-215-P	21.5" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT
XtremeClient-KLU0-238-P	23.8" 16:9 LCD Display, Intel® Core™ i3-7100U, w/o TPM, w/o iAMT
XtremeClient-KLU1-238-P	23.8" 16:9 LCD Display, Intel® Core™ i7-7600U, w/ TPM, w/ iAMT
XtremeClient-KLU2-238-P	23.8" 16:9 LCD Display, Intel® Core™ i5-7300U, w/ TPM, w/ iAMT
XtremeClient-KLU3-238-P	23.8" 16:9 LCD Display, Intel® Celeron® 3965U, w/o TPM, w/o iAMT

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
WIFI + BT MODULE KIT*	Azurewave AW-CB161H w/ Antenna, 400 mm Cable, Mylar, Bracket
POWER CORD	

(\*: Optional)