



Touch Panel PC **P15WL01**

INDUSTRIAL-GRADE FANLESS 15.6" MULTI-TOUCH PANEL PC

Versatile for various application possibilities

Shuttle P15WL01 is an industrial-grade panel PC that integrates a 15.6-inch FHD TFT LCD panel and features an IP65 certified front bezel panel. Based on Intel® Whiskey Lake-U/UE processors, it delivers reliable processing performance when multitasking. Rich I/O interfaces include USB 3.2 Gen1, RS232, HDMI 1.4, and M.2 2280 M key. P15WL01 offers customized I/O configurations that perform integration with industrial production architecture. Moreover, to meet IoT applications, P15WL01 supports one Gigabit LAN and IEEE 802.11ac WiFi + Bluetooth 4.2. It is suitable as a human-machine interface (HMI), process control, infotainment, and kiosk.



FEATURES

- Intel® Whiskey Lake-U/UE Celeron®, Core™ i3/i5/i7 Processors
- Internet support: 1x Intel® Gigabit-LAN, WiFi IEEE 802.11 a/b/g/n/ac + Bluetooth 4.2
- I/O interfaces: 1x HDMI 1.4, 4x USB 3.2 Gen1, 1x RS232, 1x M.2 2280 M key (Supports PCIe x4 / SATA storage interface)
- Customized I/O options: DVI-I, VGA, RS232, USB 2.0, POAG, M.2 2280, wide voltage range board, external antenna, etc.
- 15.6-inch 10-point capacitive multi-touch
- IP65 front panel protection

SCENARIOS



Industrial Automation



Patient Infotainment Terminal

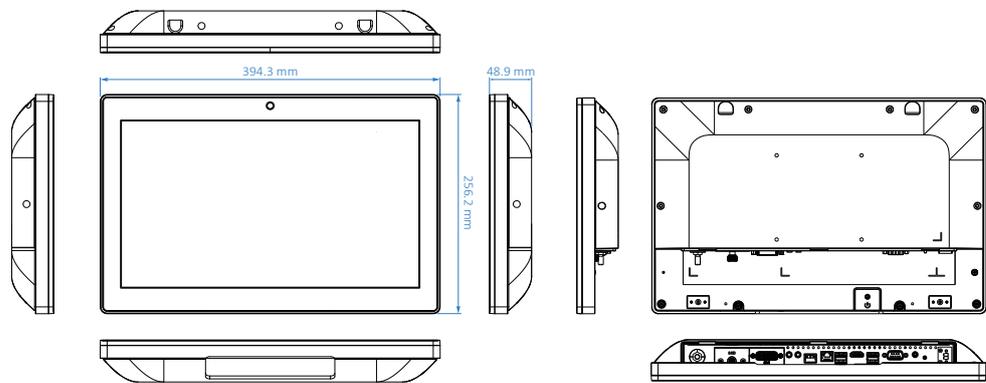


Digital Signage in Shopping Mall



Digital Signage in Transportation

DIMENSIONS



SPECIFICATIONS

P15WL01

System			
CPU	8th Gen. Intel® Whiskey Lake Core i3-8145UE, i5-8265U, i5-8365UE, i7-8565U, i7-8665UE, Celeron® 4305UE		
Memory	2 x 260 pin SO-DIMM up to 64GB Dual Channel DDR4 2400MHz	BIOS	AMI UEFI 64 bit
Display and Touch Screen			
Display	15.6" 1920x1080 Full HD LED with 10-Point Capacitive Multi-Touch		
Viewing Angle (H/V°)	85 (left), 85 (right), 85 (up), 85 (down)		
Brightness	450/350/250 cd/m2	Backlight Lifetime	50,000/30,000/15,000 hrs
Graphics			
Chipset	Intel UHD Graphics		
Display Interface	Supports two independent displays 1 x HDMI 1.4b: 4096 x 2160@30Hz	1 x DVI-I: 1920 x 1080@60Hz (optional daughter board) 1 x VGA (optional daughter board)	
Storage			
Internal	1 x M.2 2280 M key (PCIe x4 or SATA, either one) Optional: • 1 x M.2 M 2280 SSD, SATA I/F, slidable design • 1 x M.2 M 2280 SSD, SATA I/F, fixed design (Either one of above)		
Audio			
Audio Codec	Realtek ALC662/ALC888S 2-channel		
Network			
Ethernet	2 x Intel® Gigabit LAN (one is default, another one is optional)		
WLAN	Realtek RTL8821CE 802.11a/b/g/n/ac + Bluetooth 4.2 (M.2 2230 E key) with 2 internal antenna(default)/external antenna(optional)		
I/O Interface			
LAN	Default is 1 x RJ-45 (10/100/1000Mbps) the 2nd LAN is optional Support Wake On LAN	USB	4 x USB3.2 Gen 1 (Type A)
		Audio	1 x Line-out 1 x Mic-in
Serial Ports	2 x RS-232 (DB-9) (one is default, another one is optional)		
Power			
Adapter	19V/4.74A 90W external adapter		
Watchdog Timer			
Watchdog	Support watchdog		
OS Support			
OS Support	Windows 10 64bit / Linux 64bit		
Mechanism			
IP Rating	IP65 Front Panel Protection	Mounting	VESA Mount 100 x 100 mm
Dimension (WxHxD)	394 x 256 x 48.9 mm	Weight	4.6kg
Environment			
Operating Temperature	0 ~ 40°C	Storage Temperature	-20°C ~ 60°C
Relative Humidity	20% - 80% RH (non-condensing)	EMC	CE, FCC, BSMI
Safety	CB, cTUVus, BSMI	RF	US, EU, Taiwan