

Ultron

AiO Windows Tablet



10.1"

15.6"

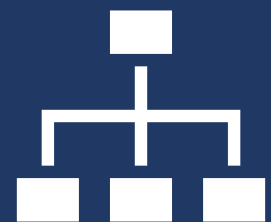
21.5"



Commercial Grade



All-in-One



Highly-expandible

Product overview

Ultron windows tablet Series is designed to be placed individually as a All-in-One kiosk. There are VESA mounting holes at the back of the tablet for easy installation.

Available in 10.1", 15.6", 21.5" widescreen

The most common operating system

Easy deployments with various VESA mounting

10.1" / 15.6" / 21.5" (4205U/i3-8145U/i5-8265U)

		4205U			i3-8145U			i5-8265U		
Model number		ULT101 PART#4205U	ULT156 PART#4205U	ULT215 PART#4205U	ULT101 PART#8145U	ULT156 PART#8145U	ULT215 PART#8145U	ULT101 PART#8265U	ULT156 PART#8265U	ULT215 PART#8265U
Screen size		10.1"	15.6"	21.5"	10.1"	15.6"	21.5"	10.1"	15.6"	21.5"
Panel info.	Resolution	1280 x 800	1920 x 1080	1920 x 1080	1280 x 800	1920 x 1080	1920 x 1080	1280 x 800	1920 x 1080	1920 x 1080
	Brightness	350 cd/m2	250 cd/m2	250 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2
	Contrast ratio	800:1	1000:1	1000:1	800:1	1000:1	1000:1	800:1	1000:1	1000:1
	Aspect Ratio	16:10	16:9	16:9	16:10	16:9	16:9	16:10	16:9	16:9
	Active Display Area	134.8 x 216.2 mm	344.16 x 193.59mm	476.06 x 267.786mm	134.8 x 216.2 mm	344.16 x 193.59mm	476.06 x 267.786mm	134.8 x 216.2 mm	344.16 x 193.59mm	476.06 x 267.786mm
	Viewing angle	H:170°/ V:170°	H: 178°/ V:178°	H:178°/ V:178°	H:170°/ V:170°	H: 178°/ V:178°	H:170°/ V:170°	H:170°/ V:170°	H: 178°/ V:178°	H:178°/ V:178°
	Touch Tech.	5 point cap touch								
CPU & System	CPU	4205U			i3-8145U			i5-8265U		
	Base Frequency	1.8 GHz			2.1 GHz			1.6 GHz		
	CPU Turbo Boost	/			3.9 GHz			3.9 GHz		
	CPU Cache	2MB			4 MB			6 MB		
	BIOS	AMI 16MB UEFI BIOS								
RAM	RAM	8GB, Dual Channel 2 x DDR4 2400 MHz (Max 32GB)								
ROM	Storage	For 10inch M.2 64GB SSD For 15 and 21inch SATA3.0 256GB SSD								
Software	OS	Win 8/8.1/10 64bit(Optional), Linux 32 / 64 bit (Defuat OS : Window 10 IoT Enterprise LTSC 2019 english version 64 bit)								
Display	GPU chipset	Intel HD Graphics 610 / 620 (Based on CPU)								
	Camera	Front Facing Camera 5 MP fixed focus								
	Display Port	DP 1.2								
	HDMI	HDMI 1.4								
Audio	Codec	Realtek HD ALC662								
	Speaker	For 10inch : 2W x2 For 15 and 21inch : 3W x2								
Ethernet	Controller	Intel i211 – 10/100/1000Mbps								
	Connector	2 x RJ45								
	Wake on LAN	Yes								
	Wifi/Bluetooth	IEEE 802.11a/b/n/ac, Wi-Fi compliant , Bluetooth 4.0								
Storage	Slot	For 10inch : 1x M.2 for 2280 SSD For 15 and 21inch : 1x M.2 for 4G , 2x SATA3.0(only 1 SATA3.0 for 4205U)								
		1 x Sim card slot								
Housing and button	Material & color	Metal housing with Matte black paint								
	Button	Metal power button and reset button in silver color with blue light (only power button in 10inch tablet)								
Rear Panel I/O	USB 2.0	1								
	USB 3.0	3								
	Audio	Line-out x 1; Mic-in x 1								
	LAN	1(10/100/1000Mbps)								
	HDMI	1 (HDMI1.4)								
	Display port	1(DP1.2)								
I/O header	COM	5 x RS232 / 1 x RS485 (inside PCBA)								
	USB2.0	3 x USB2.0 header (inside PCBA)								

(inside PCBA)	I/O	8 x GPIO (inside PCBA)								
	PS/2	1 x PS2_H (inside PCBA)								
	LPT	1 x LPT (inside PCBA)								
Power	Standard Port	1 x 12V DC-IN								
Hardware monitor	Sensor	CPU temperature sensor; Voltage sensor; Watchdog; Plug and Start								
	Included in Box	Ultron tablet, Power Adaptor, Power cable								
	Consumption	18W	15W	36W	18W	15W	36W	18W	15W	36W
	Power input	12V 1.5A	12V 1.25A	12V 3A	12V 1.5A	12V 1.25A	12V 3A	12V 1.5A	12V 1.25A	12V 3A
	Operating Environment	Operating: 32°F to 104°F (0°C to 40°C); Storage: -4°F to 122°F (-20°C to 50°C) Operating: 20%-80%; Storage: 10%-95%								
	Language	Multi language								
	VESA	VESA 75 for 10 inch, VESA 100 for 15.6 and 21.5 inch								
Dimension	Size(W x D x H)	10 inch: 183 x 264 x 39mm								
		15.6 inch: 392 x 249 x 43mm								
		21.5 inch: 530 x 322 x 43mm								
	Product Weight	10 inch: 1.95kg								
		15.6 inch: 4.05kg								
		21.5 inch: 6.7kg								
	Gift Box Size	10 inch: 393 x 268 x 72mm								
		15.6 inch: 443 x 115 x 303mm								
		21.5 inch: 583 x 115 x 382mm								
	Master Carton size	10 inch: 560 x 410 x 240 mm								
		15.6 inch: 460 x 365 x 327mm								
		21.5 inch: 604 x 248 x 406mm								
	Master Carton Weight	10 inch: 16kg								
		15.6 inch: 14kg								
		21.5 inch: 16.3kg								
	Units per Master Carton	10 inch: 6ps								
		15.6 inch: 3pcs								
		21.5 inch: 2pcs								

10.1" / 15.6" / 21.5" (J1900 and N2940)

		J1900			N2940		
Model number		ULT101 PART#J1900	ULT156 PART#J1900	ULT215 PART#J1900	ULT101 PART#N2940	ULT156 PART#N2940	ULT215 PART#N2940
Screen size		10.1"	15.6"	21.5"	10.1"	15.6"	21.5"
Panel info.	Resolution	1280 x 800	1920 x 1080	1920 x 1080	1280 x 800	1920 x 1080	1920 x 1080
	Brightness	350 cd/m2	250 cd/m2	250 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2
	Contrast ratio	800:1	1000:1	1000:1	800:1	1000:1	1000:1
	Aspect Ratio	16:10	16:9	16:9	16:10	16:9	16:9
Active Display Area		134.8 x 216.2 mm	344.16 x 193.59mm	476.06 x 267.786mm	134.8 x 216.2 mm	344.16 x 193.59mm	476.06 x 267.786mm
Viewing angle		H:170°/ V:170°	H: 178°/V:178°	H:178°/ V:178°	H:170°/ V:170°	H: 178°/V:178°	H:178°/ V:178°
Touch Tech.		5 point cap touch					
CPU & System	CPU	Intel Celeron J1900 (Quad Core)			Intel Celeron N2940 (Quad Core)		
	Base Frequency	2.0 GHz			1.83GHz		
	CPU Turbo Boost	2.42 GHz			2.25GHz		
	CPU Cache	2MB					
	BIOS	AMI 8MB UEFI BIOS					
RAM	RAM	4GB DDR3L @1333 MHz (Max 8GB)					
ROM	Storage	64GB SSD (upgradable)					
Software	OS	Win 8/8.1/10 64bit(Optional), Linux 32 / 64 bit (Defuat OS : Window 10 IoT Enterprise LTSC 2019 english version 64 bit)					
GPU	GPU chipset	Intel HD Graphic (Bay Trail, 688 - 854 MHz)			Intel HD Graphic (Bay Trail, 313 - 854 MHz)		
	VGA	1					
	Display Port	DP 1.2					
	HDMI	HMDI 1.4					
Audio	Codec	Realtek HD ALC662					
	Speaker	For 10inch : 2W x2 For 15 and 21inch : 3W x2					
Ethernet	Controller	Realtek RTL8111F Gigabit LAN					
	Connector	1 x RJ45					
	Wake on LAN	Yes					
	Wifi / Bluetooth	IEEE 802.11a/b/n/ac, Wi-Fi compliant , Bluetooth 4.0					
Storage	Slot	1 x mSATA; 1 x SATA2.0					
		1 x Sim card slot					
Housing and button	Material & color	Metal housing with Matte black paint					
	Button	Metal power button and reset button in silver color with blue light (only power button in 10inch tablet)					
I/O	USB 2.0	3					
	USB 3.0	1					
	Audio	Line-out x 1; Mic-in x 1					
	LAN	1					
	HDMI	1 (HDMI1.4)					
	Display port	0					
	VGA	1					
Upgradable I/O (inside PCBA)	USB2.0	3(inside PCBA)					
	RS232	6(inside PCBA)					
	RS485	1 (switch from COM6) (inside PCBA)					
	PS/2	1 (Keyboard or Mouse) (inside PCBA)					
	GPIO	8(inside PCBA)					
	LPT	1 x LPT(inside PCBA)					
AV capability	Camera	Front Facing Camera 2 MP fixed focus					
	Sensor	CPU temperature sensor; Voltage sensor; Watchdog; Plug and Start					

Hardware monitor	Included in Box	Ultron tablet, Power Adaptor, Power cable					
	Consumption	18W	15W	36W	18W	15W	36W
	Power input	12V 1.5A	12V 1.25A	12V 3A	12V 1.5A	12V 1.25A	12V 3A
	Operating Environment	Operating: 32°F to 104°F (0°C to 40°C); Storage: -4°F to 122°F (-20°C to 50°C) Operating: 20%-80%; Storage: 10%-95%					
	Language	Multi language					
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		15.6 inch: 3pcs					
		21.5 inch: 2pcs					

Options information

Option	Type	Remarks
4G module	Mini-PCI-e add-on	GSM / GPRS / EDGE 850 / 900 / 1800 / 1900 MHz
RAM	Extra RAM	8/16(MAX)
SSD	SATA3.0 / M.2 2280	512/1TB
Barcode module	USB accessories	1D barcode/ 2D barcode
RFID / NFC module	USB accessories	ISO 14443 T=CL, T=CL, 1K/4K, ISO 18092(need to check)

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