

## **ULTRON Windows Touchscreen Computer i5**



**Capacitive Touch**



**Windows**



**Durable Built to Last**

### **Overview**

Ultrtron Windows Tablet Series is designed to be placed individually as an all-in-one kiosk. There are VESA mounting holes at the back for easy installations.

Available in 10.1", 15.6" and 21.5" widescreen

The most common operating system

Easy deployments with various VESA mounting

# Specification

| I5 - 1235U       |                            |                                                                                                |                        |                                        |
|------------------|----------------------------|------------------------------------------------------------------------------------------------|------------------------|----------------------------------------|
|                  | Model                      | ULT101 Part#1235U                                                                              | ULT156 Part#1235U      | ULT215 Part#1235U                      |
| Screen Size      | Size                       | 10"                                                                                            | 15.6"                  | 21.5"                                  |
| Panel Info       | Resolution                 | 1280 x 800                                                                                     | 1920 x 1080            | 1920 x 1080                            |
|                  | Panel Brightness           | 500cd/m <sup>2</sup>                                                                           | 250cdm2                | 500cd/m <sup>2</sup>                   |
|                  | Brightness                 | 425cd/m <sup>2</sup> with touch Screen                                                         | TBD                    | 425cd/m <sup>2</sup> with touch Screen |
|                  | Contrast                   | 800:1                                                                                          | 800:1                  | 1000:1                                 |
|                  | Aspect Ratio               | 16:10                                                                                          | 16:9                   | 16:9                                   |
|                  | Active Display Area        | 216.96 × 135.6 mm                                                                              | 344.16 × 193.59 mm     | 476.06 × 267.786 mm                    |
|                  | Viewing Angle              | H:170°/ V: 170°                                                                                | H:170°/ V: 170°        | H:178°/ V: 178°                        |
| Touch Data       | Response time              | 30ms                                                                                           | 25ms                   | 20ms                                   |
|                  | Touch Tech                 | G+G 10 point cap touch                                                                         |                        |                                        |
|                  | Hardness Of Surface        | ≥ 6H                                                                                           |                        |                                        |
|                  | Touch method               | Finger touch , Capacitive stylus                                                               |                        |                                        |
|                  | Transparency               | ≥86%                                                                                           | ≥85%                   |                                        |
|                  | Response Time              | TBD                                                                                            | < 5ms                  | < 5ms                                  |
| CPU & System     | Touch Glass Thickness      | 2.9mm                                                                                          | 2.05mm                 | 2.95mm                                 |
|                  | CPU                        | i5-1235U                                                                                       |                        |                                        |
|                  | P-core Max Turbo Frequency | 4.4GHz                                                                                         |                        |                                        |
|                  | E-core Max Turbo Frequency | 3.3GHz                                                                                         |                        |                                        |
|                  | Core                       | 10                                                                                             |                        |                                        |
|                  | Thread                     | 12                                                                                             |                        |                                        |
|                  | CPU Cache                  | 12MB                                                                                           |                        |                                        |
|                  | BIOS                       | AMI UEFI BIOS                                                                                  |                        |                                        |
| RAM              | RAM                        | 8GB , Dual Channel SO-DIMM DDR4 (Max 64GB)                                                     |                        |                                        |
| ROM              | Storages                   | 256GB, M.2 for NVME 2280 SSD                                                                   |                        |                                        |
| Software         | OS                         | Windows 11 64 bit, Linux 64 bit                                                                |                        |                                        |
| Display          | GPU Chipset                | Intel Iris® Xe Graphics eligible/UHD Graphics depends on CPU                                   |                        |                                        |
|                  | Displayport                | N/A                                                                                            |                        |                                        |
| Audio            | Speaker                    | 10 inch: 2W x 2 15 and 21 inch: 2W x 2                                                         |                        |                                        |
| Ethernet         | Connector                  | 2 x RJ45                                                                                       |                        |                                        |
|                  | Wake on Lan                | Yes                                                                                            |                        |                                        |
|                  | WIFI/ Bluetooth            | 802.11a/b/g/n/ac/ax(PreStandard) , Bluetooth 5.0 (Dual antenna)                                |                        |                                        |
| Storage          | Slot                       | M.2 for NVME 2280 SSD                                                                          |                        |                                        |
| General          | Material & Color           | Metal Housing with Black Matte Paint                                                           |                        |                                        |
|                  | Chassis                    | N/A                                                                                            |                        |                                        |
|                  | Front                      | N/A                                                                                            |                        |                                        |
|                  | Back                       | N/A                                                                                            |                        |                                        |
|                  | Camera                     | 2 MP                                                                                           |                        |                                        |
|                  | 4G (Optional)              | 4G and WIFI function Choose one of the two (The 10.1-inch structure does not have 4G function) |                        |                                        |
|                  | Metal Button               | 1×Power button; 1×Reset button (1×Power button for 10 inch)                                    |                        |                                        |
| Rear Panel I/O   | USB 3.0                    | 4xUSB 3.2                                                                                      |                        |                                        |
|                  | Audio                      | Line-out x 1, Mic-in x 1                                                                       |                        |                                        |
|                  | LAN                        | 1 x (1000Mbps) ; 1 x (2500Mbps)                                                                |                        |                                        |
| Insider PCBA     | M.2                        | 1×for NVME 2280 SSD                                                                            |                        |                                        |
|                  | SATA3.0                    | 1                                                                                              |                        |                                        |
|                  | COM                        | 6 x RS232(default) or 5*RS232+1*RS485(COM1) (inside PCBA)                                      |                        |                                        |
|                  | USB 2.0                    | 4 x USB2.0 header (inside PCBA)                                                                |                        |                                        |
|                  | I/O                        | 8 x GPIO (inside PCBA)                                                                         |                        |                                        |
| Power            | Standard Port              | 1 x 12V DC-IN                                                                                  |                        |                                        |
| Hardware Monitor | Hardware Monitor           | CPU system temperature; onboard voltage; Watchdog; and auto power on                           |                        |                                        |
|                  | Included in Box            | Ultron tablet, Power Adaptor, Power cable                                                      |                        |                                        |
|                  | Consumption                | 65W (MAX)                                                                                      | 70W (MAX)              | 75W (MAX)                              |
|                  | Power Adaptor              | 12V 7.5A                                                                                       | 12V 7.5A               | 12V 7.5A                               |
|                  | Operating Environment      | Working Temperature: 0-45 degree celsius                                                       |                        |                                        |
| Mounting         | Language                   | Multi language                                                                                 |                        |                                        |
|                  | VESA                       | VESA 75 for 10 inch, VESA 100 for 15.6 and 21.5 inch                                           |                        |                                        |
| Dimensions       | Size ( WxDxH)              | 266.36 x 185 x 43.7mm                                                                          | 393.27 x 250.27 x 44mm | 530.5 x 322 x 44mm                     |
|                  | Product Weight             | 1.95Kg                                                                                         | 3.3Kg                  | 6Kg                                    |
|                  | Gift Box Size              | 396 x 241 x 86 mm                                                                              | 443 x 115 x 303 mm     | 583 x 115 x 382mm                      |
|                  | Master Carton Size         | 506 x 410 x 288mm                                                                              | 464 x 365 x 327mm      | 604 x 248 x 406mm                      |
|                  | Master Carton Weight       | 16Kg                                                                                           | 12.3Kg                 | 15.3Kg                                 |
|                  | Units per Master Carton    | 6pcs                                                                                           | 3pcs                   | 2pcs                                   |

## Peripheral Options

|                                  |                    |
|----------------------------------|--------------------|
| 1D Barcode Newland               | NEBAI701 PART#N002 |
| 2D Barcode Honeywell             | NEBAI702 PART#H002 |
| 2D Barcode Zebra                 | NEBAI702 PART#Z002 |
| Elatec RFID Reader Metal Housing | NEBAI703 PART#E002 |
| Windows 10 IoT License           | ULT Part# WIN KEY  |
| Windows11 IoT Enterprise LTSC    | ULT Part# WIN KEY  |
| 256GB SSD Upgrade                | X000103            |
| 4G (LTE) Module                  | JAF-009            |

## Mounting Options

|            |                                 |
|------------|---------------------------------|
| Wall Mount | WM015012S                       |
| Desk Mount | FIX-027 (Foldable base bracket) |
|            | FIX-028 (Adjustable Desk Mount) |
|            | FIX-030 (Foldable base bracket) |

## CONTACT US

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