



## ARC-15W32

15.6" 6th Gen Intel® ULT Core™ Processor i5-6300U Fanless Rugged PCAP Multi-Touch Panel PC with IET Expansion

- > Onboard 6th Gen Intel® Core™ i5 6300U 2.40GHz BGA Processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > One SODIMM sockets supports up to 16GB DDR4 2133 SDRAM
- > 4 USB3, 2 COM
- > Dual Intel Gigabit LAN
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- > IP65 Compliant Front Panel, IP41 Rear Box
- > With Panel Mount kits included
- > TPM 1.2 Function (Optional)

### + Spec

| System Information         |  |
|----------------------------|--|
| Processor                  | 6th Gen Intel® Core™ i5-6300U, 2-Core, 2.4GHz processor                                |
| System Memory              | 1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB   |
| I/O Chipset                | EC ITE IT8528E   |
| Watchdog Timer             | H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step                                   |
| H/W Status Monitor         | Monitoring CPU & System Temperature and Voltage  |
| SBC                        | ARC-SKLU   |
| Expansion                  |  |
| Expansion                  | 1 x Mini PCIe Support mSATA<br>1 x 80-pin IET interface                                |
| Storage                    |  |
| Storage                    | 1 x 2.5" Drive Bay (7mm HDD Restricted)  |
| Panel                      |  |
| LCD Size                   | 15.6", 16:9  |
| Display Type               | WXGA   |
| Resolution                 | 1366 x 768   |
| Pixel pitch                | 0.252mm(H) x 0.252mm(V)  |
| Luminance                  | 300 cd/m <sup>2</sup>  |
| Contrast ratio             | 500  |
| Viewing angle              | 80 (U), 80 (D), 80 (L), 80 (R)   |
| Response time              | 8 ms   |
| Backlight                  | LED  |
| Touch Type                 | Projective Capacitive Multi-Touch supports up to 10 points                             |
| Touch Light Transmission   | 88 %   |
| Touch Controller           | USB touch (EETI)   |
| I/O                        |  |
| USB Port                   | 4 x USB 3.0  |
| COM Port                   | 1 x RS-232/422/485<br>1 x RS-232   |
| SATA                       | 1 x SATA III   |
| Other                      | 3 x Knockouts for Antenna Mounting   |
| Display                    |  |
| Graphic Chipset            | Intel® Skylake SoC integrated Graphics<br>Supports optional dual display               |
| Spec. & Resolution         | HDMI: Max. resolution 4096x2160 @ 24Hz (Optional by IET module)                        |
| Audio                      |  |
| Audio Codec                | Realtek ALC888S  |
| Speaker Output             | 2 x 2W   |
| Certifications             |  |
| Certification Information  | CE / FCC Class B   |
| Ethernet                   |  |
| LAN Chipset                | 1 x Intel® I211AT<br>1 x Intel® I219LM   |
| Ethernet Interface         | 10/100/1000 Base-Tx GbE compatible   |
| LAN Port                   | 2 x RJ-45  |
| Power Requirement          |  |
| DC Input                   | +12V ~ +26V  |
| DC Input Connector         | Lockable DC Jack   |
| Adapter                    | Input: 100 ~ 240Vac/ 50 ~ 60Hz<br>Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter |
| Mechanical & Environmental |  |



|                              |  |
|------------------------------|--|
| <b>Operating Temperature</b> | -10°C ~ 50°C (14°F ~ 122°F)  |
| <b>Storage Temperature</b>   | -20°C ~ 60°C (-4°F ~ 140°F)  |
| <b>Operating Humidity</b>    | 0% ~ 90% Relative Humidity, Non-condensing   |
| <b>Dimension (W x L x H)</b> | 391.2 x 239.2 x 57.5 mm  |
| <b>Weight</b>                | 3.7 Kgs  |
| <b>Vibration Test</b>        | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis  |
| <b>Shock Test</b>            | Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G   |
| <b>IP Rating</b>             | Front IP65<br>Rear IP41  |
| <b>Mounting Kit</b>          | Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm<br>Panel Mount with mounting kits   |
| <b>Power Requirement</b>     | DC +12V ~ +26V, wide voltage single power input<br>TVS component for surge protection<br>Reverse current/voltage protection  |
| <b>Power Mode</b>            | AT/ATX (ATX is default setting)  |
| <b>System Fan</b>            | Fanless  |
| <b>Construction - Front</b>  | Die Casting with Cover lens  |
| <b>Construction - Rear</b>   | Black Die Casting  |
| <b>Relative Humidity</b>     | 0~90% Relative Humidity, Non-condensing  |
| <b>Fanless</b>               | Yes  |
| <b>Drop</b>                  | ISTA 2A, IEC-60068-2-32 Test:Ed  |
| <b>Software Support</b>      |  |
| <b>OS Information</b>        | Windows 7/ 10 / Linux  |
| <b>Ordering Information</b>  |  |
| <b>Ordering Information</b>  | <p>ARC-15W32-630-B2R<br/>15.6" 1366x768 Industrial Touch Panel PC, ErP Design, PCAP Multi Touch<br/>6th Gen Intel Core i5 6300U 2.4GHz CPU/2GLAN/2COM/4USB/SPK/12~26V input/12V Adapter</p> <p>Optional IET Module list:</p> <p>ACC-ARC-USB-1R<br/>4 x USB 3.0 Kit for ARC Series</p> <p>ACC-ARC-AUDIO-1R<br/>HDMI + 5.1 CH Audio Kit for ARC Series</p> <p>ACC-ARC-MPCIE-1R<br/>HDMI + MPCIE w/SIM Kit for ARC Series</p> <p>ACC-ARC-COM-1R<br/>2 x Isolated RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-2R<br/>3 x RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-3R<br/>2 x RS-232 + USB Kit for ARC Series</p> <p>ACC-ARC-COM-4R<br/>2 x RS-232 + LAN Kit for ARC Series</p> <p>ACC-ARC-GPIO-1R<br/>12-bit GPIO + 2-pin CAN Bus Kit for ARC Series</p> <p>ACC-ARC-OBDI-1R<br/>OBDI - CAN Bus Kit for ARC Series (OBDI/EObD for Small Vehicle)</p> <p>ACC-ARC-OBDI-2R<br/>OBDI - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle)</p> <p>ACC-ARC-OBDI-3R<br/>OBDI - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)</p> |