

# APEX VX6

12.1" RUGGED VEHICLE COMPUTER

**AMREL**<sup>®</sup>  
Pioneering Customized Rugged Solutions



## Uncompromisingly Rugged, Vehicle-specific Design



### **Optimal power design for vehicles**

APEX VX6 offers two types of wide range power modules – 9 to 32 VDC and 18 to 60 VDC. Battery design protects terminals from unstable power input during the vehicle operation. UPS battery provides backup power.

### **Built for the cold and the heat**

With optional screen defroster, working vehicles can go from the outdoors to cold storage environments with no risk of fogging the display. Ideal for cold chain logistics and other harsh conditions, the APEX VX6 is rated for the demanding ruggedness standards of MIL-STD 810G & IP-66.

### **Superb visibility day and night**

The APEX VX6 (12.1") Rugged Vehicle Terminals display outstanding detail in all ambient light conditions. The 1200-nit high bright display option ensures

that the terminal can be easily read in the harshest sunlight. High resolution (1024 x768), anti-reflection touchscreen, and auto-dimming make sure that you won't miss a thing.

### **Industrial communications for field use**

Multiple I/O choices include RS-232, RJ45, USB 2.0, Digital, CAN bus (SAE J1939 / OBDI II supported), video input, and headphone jack.

### **Seamless communications**

Stay connected with GNSS, WiFi, Bluetooth, & 4G LTE options. The built-in antenna can be supplemented with optional external antennas.

## SPECIFICATIONS - APEX VX6 | 12.1" ULTRA-RUGGED VEHICLE COMPUTER

<b>Operating System</b>	<ul style="list-style-type: none"> <li>Windows 10 IoT Enterprise</li> </ul>	<b>Buttons</b>	<ul style="list-style-type: none"> <li>Programmable buttons x 9</li> <li>Brightness buttons x 2</li> <li>Volume buttons x 2</li> <li>Optional defrost / defog button x 1</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel® Core™ i5-6300U 2.4GHz</li> <li>Optional Intel® Celeron® 3955U 2GHz</li> </ul>	<b>Power Management</b>	<ul style="list-style-type: none"> <li>9~60 VDC input</li> <li>Inition sense with delay on/off setting</li> <li>Wake on RTC</li> <li>UPS backup battery (10.8V, 4500 mAh)</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>4GB DDR3L SODIMM</li> <li>Expandable to 8GB</li> </ul>	<b>Rugged Features</b>	<p>IEC 60529 IP-66 IEC 60721-3-5 class 5M3 MIL-STD-810G:</p> <ul style="list-style-type: none"> <li>Vibration (operating), Method 514.7 c2/c3/c4</li> <li>Shock (operating), 40G at 11ms Terminal / Sawtooth</li> <li>Salt fog: Method 509.6</li> <li>Operating temperature: -30°C to 55°C</li> <li>Storage temperature: -40° C to 70° C</li> <li>Humidity: 95%, non-condensing</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>64 GB M.2 2280 SSD</li> <li>SD slot x 1 for expansion</li> </ul>	<b>Dimension &amp; Weight</b>	<p>12.80"W x 11.02"H x 2.64"D (325 x 280 x 67 mm) 10.65 lbs. (4.83 kg)</p>
<b>Display</b>	<ul style="list-style-type: none"> <li>12.1" XGA TFT LCD with LED backlight (1024 x 768)</li> <li>700- / 1200-nit brightness, supports auto-dimming</li> <li>5-wire resistive touch; supports defroster function (by request)</li> </ul>	<b>Mounting</b>	<p>VESA 75 - 2.95" x 2.95" (75 x 75 mm) VESA 100 - 3.94" x 3.94" (100 x 100 mm)</p>
<b>Communication</b>	<ul style="list-style-type: none"> <li>Gigabit Ethernet (RJ45) x 1</li> <li>Wi-Fi 802.11 a/b/g/n/ac</li> <li>Bluetooth v4.0 Class 2</li> <li>Optional 4G LTE / GPRS / HSPA+</li> <li>Optional GNSS (GPS/QZSS or GLONASS)</li> </ul>	<b>Software</b>	DashON Utility
<b>Sensor</b>	Built-in 3-axis G-sensor, dual speaker	<b>In-Box Accessories</b>	<ul style="list-style-type: none"> <li>Power cable</li> <li>GPS / GLONASS antenna</li> <li>DB15 to USB cable</li> <li>DB15 to DIO / CAN bus cable assemblies</li> </ul>
<b>I/O Interface</b>	<ul style="list-style-type: none"> <li>RS-232 with power supported x 1, RS-232/422/485 x 1</li> <li>USB 3.0 / 2.0 x 1, USB 2.0 x 1</li> <li>CAN bus (SAE J1939 / OBDII supported) x 1</li> <li>DI x 2, DO x 2</li> <li>Audio headset jack x 1</li> <li>Optional video input x 4</li> <li>DC-in x 1</li> </ul>	<b>Accessories</b>	<ul style="list-style-type: none"> <li>Mounting Kit</li> <li>WWAN Antenna</li> <li>WiFi / Bluetooth Antenna</li> </ul>

\*\* Specifications subject to change without notice \*\*

