VC70B-KU

Features
- Compact and Fanless In-Vehicle System
- 4GB/8GB DDR4 memory onboard
- 1x 2.5" SATA 3.0 Drive Bay
- Supports 2 Mini PCIe for Extension Modules
- Rich I/O ports: 2 Intel GbE, 6 COM, 4 USB 3.0, 2 USB 2.0

Panel
- Status LED
- Power
- Reset
- HDD LED
- COM 1, COM 2, VGA, COM 4/8-bit DIO

Dimensions
- Front View
- Rear View
- Right View
- Left View
- Top View
- Coming Soon

Panel Dimensions
- 82.00 x 118.40 x 184.00
### Specifications

| SYSTEM | Processor | 7th Generation Intel® Core™ Processors, FCBGA 1356  
|        |          | Intel® Core™ i7-7600U Processor, Dual Core, 4M Cache, 2.8GHz, 15W  
|        |          | Intel® Core™ i5-7300U Processor, Dual Core, 3M Cache, 2.6GHz, 15W  
|        |          | Intel® Core™ i3-7100U Processor, Dual Core, 3M Cache, 2.4GHz, 15W  
| Memory | 4GB/8GB Memory Onboard  
|        | Dual Channel DDR4 2133MHz  
| BIOS   | Insysy SPI 128Mbit  
| GRAPHICS | Controller | Intel® HD Graphics GT Series  
| Display | 1 x VGA  
|         | VGA: resolution up to 1920x1200 @ 60Hz  
|         | 1 x HDMI  
|         | HDMI: resolution up to 4096x2160 @ 24Hz  
| BIOS   | Insysy SPI 128Mbit  
| STORAGE | 1 x 2.5" SATA 3.0 Drive Bay  
| EXPANSION | Interface | 1 x Full-size Mini PCIe (PCIe+USB)  
|         | 1 x Half-size Mini PCIe (PCIe+USB+SATA)  
| AUDIO | Audio Codec | Realtek ALC888 5.1-channel  
| ETHERNET | Controller | 1 x Intel® I210IT (10/100/1000Mbps)  
|         | 1 x Intel® I219LM (10/100/1000Mbps)  
| LED | Indicators | 1 x Status LED  
|         | 1 x HDD LED  
| FRONT I/O | Serial | 2 x RS-232/422/485 (DB-9, COM 1~2)  
|         | 3 x RS-232 (DB-9, COM 4~6, COM 4 supports 8-bit DIO or CAN-Bus )  
| Display | 1 x VGA  
| Buttons | 1 x Power Button  
|         | 1 x Reset Button  
| REAR I/O | Ethernet | 2 x GbE (RJ-45)  
| Serial | 1 x RS-232 (DB-9, COM 3)  
| USB | 4 x USB 3.0 (type A)  
|         | 2 x USB 2.0 (type A)  
| Display | 1 x HDMI  
| Audio | 1 x Line-out  
|         | 1 x Mic-in  
| Wi-Fi Antenna | 5 x Wi-Fi Module Antenna Hole  
| WATCHDOG TIMER | Output & Interval | System Reset, Programmable via Software from 1 to 255 Seconds  
| POWER | Type | Wide Range 9~36V  
| Connector | DC Jack  
| OS SUPPORT | Windows 10 (64-bit)  
|         | Windows 10 IoT Enterprise (64-bit)  
| Linux | CERTIFICATIONS |  
| MECHANISM | Construction | Aluminum + Sheet Metal  
| Mounting | Wall/VESA/DIN Rail Mount  
| Dimensions (W x H x D) | 184mm x 82mm x 118.4mm  
| Weight | 1.6 Kg  
| ENVIRONMENT | Operating Temperature | -20 to 60°C  
| Storage Temperature | -20 to 85°C  
| Relative Humidity | 5 to 95% RH (non-condensing)  
| SHOCK | MIL-STD 810G 516.6  
| Operating | 10G, 11ms  
| Non-Operating | 40G, 11ms  
| VIBRATION | MIL-STD 810G 514.6C-3  
| Certification | CE, FCC Class A, RoHS  


### Ordering Information

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>VC70B-KU6862-714</td>
<td>750-VC70B0-000G</td>
<td>Intel Core i3-7100U, 1 HDMI, 1 VGA, 2 LAN, 6 COM, 6 USB, 4GB DDR4 onboard</td>
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<td>VC70B-KU6862-738</td>
<td>750-VC70B0-100G</td>
<td>Intel Core i5-7300U, 1 HDMI, 1 VGA, 2 LAN, 6 COM, 6 USB, 8GB DDR4 onboard</td>
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<td>VC70B-KU6862-768</td>
<td>750-VC70B0-200G</td>
<td>Intel Core i7-7600U, 1 HDMI, 1 VGA, 2 LAN, 6 COM, 6 USB, 8GB DDR4 onboard</td>
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### Optional Items

<table>
<thead>
<tr>
<th>Optional Items</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>SSD</td>
<td>635-610002-110G</td>
<td>2.5&quot; SATA SSD, 1TB MLC, RoHS</td>
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<td>635-605122-110G</td>
<td>2.5&quot; SATA SSD, 512G MLC, RoHS</td>
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<td>635-602562-120G</td>
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<td>635-601282-190G</td>
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<td>635-600642-150G</td>
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<td>mSATA</td>
<td>638-712803-100G</td>
<td>mSATA Card, 128GB MLC, RoHS</td>
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<td></td>
<td>638-706405-110G</td>
<td>mSATA Card, 64GB MLC, RoHS</td>
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<td></td>
<td>638-703206-100G</td>
<td>mSATA Card, 32GB MLC, RoHS</td>
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<td>Wi-Fi</td>
<td>761-110091-000G</td>
<td>Wi-Fi Kit, RoHS</td>
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<td>3G+GPS</td>
<td>761-110040-600G</td>
<td>3G + GPS Kit, RoHS</td>
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<td>Power Adapter</td>
<td>671-112005-100G</td>
<td>120W, 24V/5A for test/validation only</td>
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<td>Wall Mount</td>
<td>761-EC8000-000G</td>
<td>EC700/800/70A/80A Wall Mount Kit, RoHS</td>
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<td>VESA Mount</td>
<td>761-EC7000-100G</td>
<td>EC700/EC70A/EC70B VESA Mount Kit, RoHS</td>
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<tr>
<td>DIN Rail Mount</td>
<td>761-EC70B0-000G</td>
<td>EC70B DIN Rail Mount Kit, RoHS</td>
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</table>

### Packing List

- 1 VC70B-KU system unit
- 4 Mounting screws for Mini PCIe module
- 1 Power Connector

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