

VBOX-3610

Intel Gen5 Core i7-5650U CPU with HD 6000 GPU On-Board Computer



Features

- Intel Core i7-5650U / Core i3-5010U
- Wireless support LTE, 3.5G w/ Dual SIM Cards, WLAN, GPS Dead Reckoning, GSM/GPRS, BT
- 9V - 36V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- Dual Hot Swappable SATA Storage
- 1 x CAN Bus 2.0B (Optional)
- IEC60945 Maritime Certified

Taiwan Patent No. M447854, M448011

System

| | |
|--------------------|---|
| CPU | Intel Gen 5 Core i7-5650U 2.2GHz up to 3.1GHz Intel Gen 5 Core i3-5010U 2.1GHz Intel Gen 4 Core i7-4650U 1.7GHz up to 3.3GHz Intel Gen 4 Core i5-4300U 1.9GHz up to 2.9GHz Intel Gen 4 Core i3-4010U 1.7GHz Intel Gen 4 Dual Core Celeron 2980U 1.6GHz |
| Memory | 2 x DDR3L 1600 MHz SO-DIMM up to 16GB |
| Chipset | N/A |
| LAN Chipset | Intel I210-AT Gb/s Ethernet Controllers Onboard Support PXE and WOL |
| Audio | Realtek ALC662 HD Codec Onboard |
| Watchdog | Watchdog Timer Support, Offer 1 – 255 Step |

I/O

| | |
|------------------------|---|
| Serial Port | 4 x RS-232 (2 with RS-422/485 (Auto Direction Control)) |
| USB Port | 2 x USB 3.0 Ports, 2 x USB 2.0 Ports |
| LAN | 2 x RJ45 Ports for GbE |
| Video Port | 1 x DVI-I, 1 x VGA and 1 x DP (support Triple Independent Display) |
| DIO Port | 4 In and 4 Out |
| Audio | 1 x Line-out and 1 x Mic-in (Line-in Optional) |
| SIM Card Socket | 2 x SIM Card Sockets Supported Onboard with eject |

Graphics

| | |
|-------------------|--|
| Graphics | Intel® HD Graphics 6000 / 5000 DirectX Video Acceleration (DXVA) for Accelerating Video Processing - Full AVC/VC1/MPEG2 HW Decode Supports DirectX 11/10.1/10/9 and OpenGL 4.0 |
| Resolution | Up to 3200x2000@60Hz (DP) for Gen 4 Up to 3840x2160@60Hz (DP) for Gen 5 |

Storage

| | |
|-------------|---|
| Type | 2 x 2.5" Drive Bay for SATA Type HDD/SSD, Support RAID 0, 1 1 x SATA DOM |
|-------------|---|

Power Requirement

| | |
|--|---|
| Power Input | 9V - 36V DC Power Input |
| Power Protection | Automatic Recovery Short Circuit Protection |
| Power Mgmt. | Vehicle Power Ignition for Variety Vehicle |
| Power Off Control | Power off Delay Time Setting by BIOS and Software |
| Battery (UPS) | Internal Battery Kit for 10 Mins Operating (Optional) |
| Patent No. : M447854 - Build-in Battery | |

Environmental

| | |
|---|--|
| Operating Temp. | -40°C ~ 70°C (Default CPU 17Watt) |
| Patent No. : M448011 - Thermal Cooling | |
| Storage Temp. | -40°C ~ 80°C |
| Relative Humidity | 0% RH – 95% RH |
| Vibration (with SSD) | IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis MIL-STD-810G, Method 514.6, Procedure I, Cat.4, Operating |
| Shock | Operating: MIL-STD-810G, Method 516.5, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD |
| Crash Hazard | MIL-STD-810G, Method 516.5, Procedure V, Ground equipment=100g |
| Certifications | CE, FCC Class A, EMark Compliance, EN50155, EN50121, IEC60945 4th Edition, EN45545-2 (R25) |

Mechanical

| | |
|---------------------|--|
| Construction | Aluminum Alloy |
| Mounting | Supports Both of Wall-mount/VESA-mount |
| Weight | 1780 g (Barebone) |
| Dimensions | 250 x 150 x 55 mm |

Ordering Information

| | |
|--------------------|--|
| Part Number | VBOX-3610-i7-5650U |
| Description | Intel Gen5 Core i7-5650U CPU with HD 6000 GPU On-Board Computer |