

# VBOX-3200-M12

## AMD G-T56N Dual Core APU with Radeon HD 6320 M12 On-Board Computer



-  Delay Time
-  Power Ignition
-  Wide Range
-  Wireless
-  Battery Backup

Taiwan Patent No. M447854  
Taiwan Patent No. M448011

### System

<b>CPU</b>	AMD G-T56N Dual Core 1.65GHz AMD G-T40E Dual Core 1.0GHz (Optional)
<b>Memory</b>	2 x DDR3 1333MHz SO-DIMM up to 8GB
<b>Chipset</b>	AMD A50M Controller Hub
<b>LAN Chipset</b>	2 x Realtek RTL8111E Gb/s Ethernet onboard Support PXE and Wake On Lan
<b>Audio</b>	Realtek ALC662 HD Codec onboard
<b>Watchdog</b>	1 ~ 255 Level Reset

### I/O

<b>Serial Port</b>	3 x RS-232 (2 with RS-422/485 (Auto Direction Control))
<b>USB Port</b>	4 x USB 2.0 Ports on Front I/O
<b>LAN</b>	2 x M12 Ports for GbE
<b>Video Port</b>	1 x DVI-I and 1 x VGA Output (Share with DVI-I)
<b>DIO Port</b>	4 in and 2 out with Relay 12V / 80mA
<b>Audio</b>	1 x Line-out (Mic-in or Line-in Optional)
<b>SIM Card Socket</b>	1 x SIM Card Socket Supported Onboard with eject

### Graphics

<b>Graphics</b>	AMD G-T56N Radeon HD 6320 UVD3 Hardware Video Decoder - MPEG2, MPEG4, H.264
<b>Resolution</b>	Up to 2560 x 1600 @85Hz

### Power Requirement

<b>Power Input</b>	9V - 32V DC Power Input
<b>Power Protection</b>	Automatics Recovery Short Circuit Protection
<b>Power Management</b>	Vehicle Power Ignition for Variety Vehicle
<b>Power Off Control</b>	Power off Delay Time Setting by Software, Default is 5 Mins
<b>Battery (UPS)</b>	Internal Battery Kit for 10 Mins Operating (Optional)

**Patent No. : M447854 - Build-in Battery**

### Features

- AMD G-T56N Dual Core APU with HD 6320
- Wireless Support LTE, 3.5G, WLAN, GPS, GSM/GPRS, Bluetooth
- Support 2 x M12 LAN Ports
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support 4 x DI / 2 x DO with Relay 12V / 80mA
- Support 1 x CAN Bus 2.0B (Optional)

### Storage

<b>Type</b>	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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### Qualification

<b>Certifications</b>	CE, FCC Class A, EN50155, EN50121, eMark Compliance
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### Environmental

<b>Operating Temp.</b>	-40 ~ 70°C (SSD), ambient w/ air
<b>Storage Temp.</b>	-40 ~ 80°C
<b>Relative Humidity</b>	10 ~ 95% (non-condensing)
<b>Vibration(random)</b>	2.5g@5~500 Hz with SSD
<b>Vibration Operating</b>	MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle-Highway, EN61373
<b>Truck Storage</b>	MIL-STD-810F, Method 514.5, Category 24, Integrity Test
<b>Shock</b>	Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
<b>Crash Hazard</b>	MIL-STD-810F, Method 516.5, Procedure V, Ground equipment=100g

### Mechanical

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

### Ordering Information

<b>Part Number</b>	763200011006
<b>Description</b>	AMD G-T56N Dual Core APU with Radeon HD 6320 M12 On-Board Computer