

VBOX-3200

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



Backplane
Systems
Technology

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In-Vehicle Computing



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup



Taiwan Patent No. M447854
Taiwan Patent No. M448011

System

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

I/O

Serial Port	3 x RS-232 (2 with RS-422/485 (Auto Direction Control))
USB Port	4 x USB 2.0 Ports on Front I/O
LAN	2 x RJ45 Ports for GbE
Video Port	1 x DVI-I and 1 x VGA Output (Share with DVI-I)
DIO Port	4 in and 2 out with Relay 12V / 80mA
Audio	1 x Line-out (Mic-in or Line-in Optional)
SIM Card Socket	1 x SIM Card Socket Supported Onboard with eject

Graphics

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

Power Requirement

Power Input	9V - 32V DC Power Input
Power Protection	Automatics Recovery Short Circuit Protection
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software, Default is 5 Mins
Battery (UPS)	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
- 9V - 32V DC Power Input
- 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

Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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Qualification

Certifications	CE, FCC Class A, EN50155, EN50121, eMark Compliance
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Environmental

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

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	763200011001
Description	AMD G-T56N Dual Core APU with Radeon HD 6320 On-Board Computer