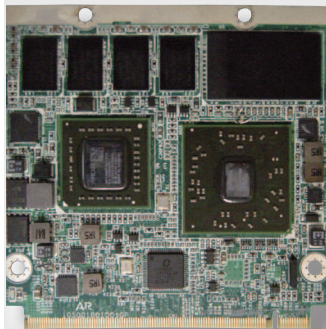


QSM-520E

Wide-Range Operating Temperature AMD Fusion G-T40E Qseven™ CPU Module



Features

- **Fanless Design**
- Soldered Onboard AMD G-T40E Dual Core Processor
- Integrated Gigabit Ethernet
- Dual Channels 18/24-bit LVDS, Analog RGB, and DDI Port
- **Extended Operating Temp.: -40°C ~ +85°C**

System

CPU	Soldered onboard AMD G-T40E 1.0GHz processor
Memory	Soldered onboard 2GB DDR3L SDRAM
Chipset	AMD FCH A50M
BIOS	AMI® UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	8 x USB 2.0 ports
Expansion Bus	4 x PCIe x1 lanes SPI, and LPC (Low Pin Count) interface
Storage	2 x Serial ATA ports 600MB/s HDD transfer rate
Ethernet Chipset	1 x Realtek RTL8111E PCIe GbE controller
AUDIO/ interface	HD Audio Link

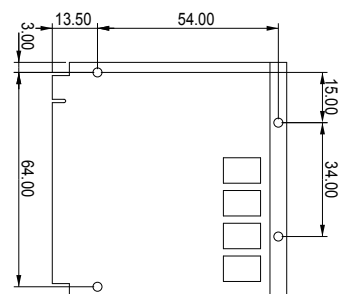
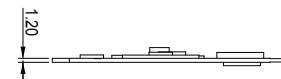
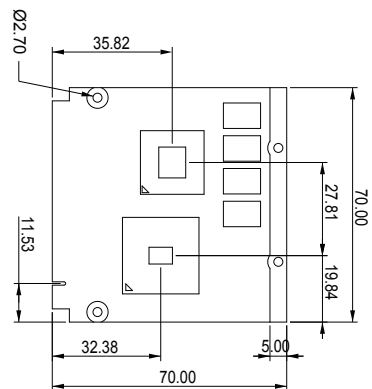
Display

Graphics Chipset	Integrated AMD Radeon HD 6250
Graphics Interface	LCD: Dual Channels 18/24-bit LVDS Support Analog RGB signals (via Qseven GF reserved pin) 1 x DDI port

Mechanical & Environmental

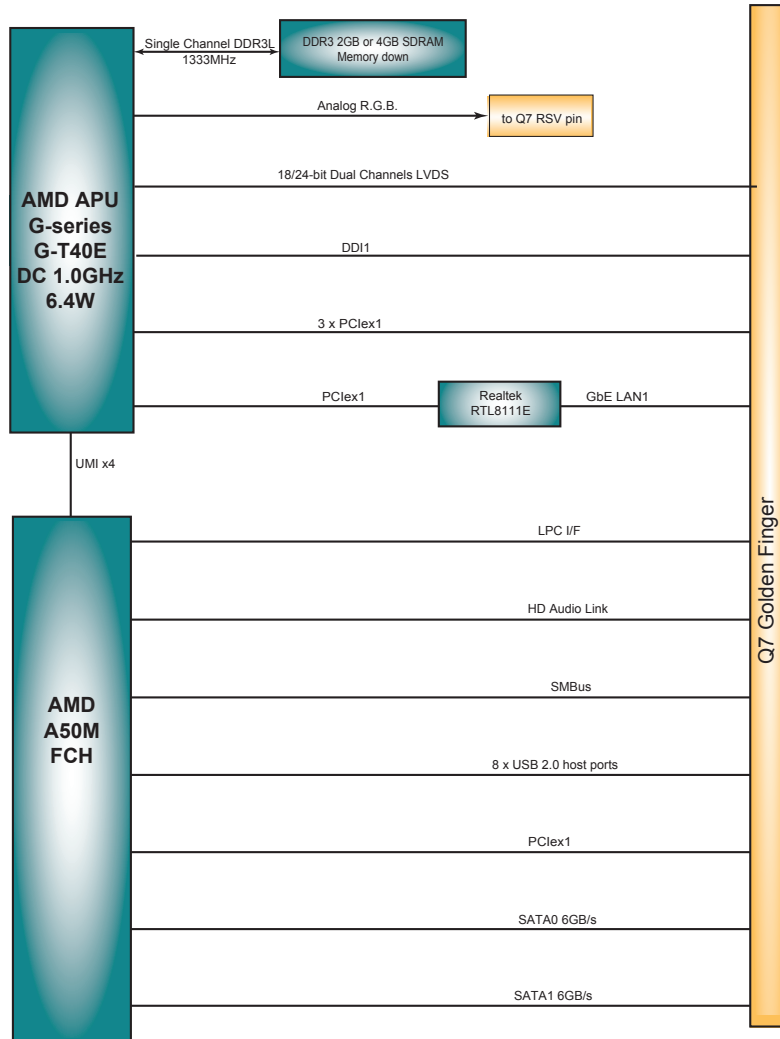
Power Requirement	5V
Power Consumption	1.55A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-4 ~ 185°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimensions (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions



Unit: mm

Block Diagram



Ordering Information

QSM-520E-2G-T40E AMD G-T40E Dual Core Q7 CPU module w/ 2GB memory soldered down

Optional Accessories

HS-0520-C1 Heat sink with fan

PBQ-3000 Qseven™ EPIC evaluation board

CBK-06-3000-00 Cable kit
 1 x USB cable
 1 x USB2 cable
 2 x Serial port cables
 1 x SATA cable
 1 x SATA power cable