

**NEW**



### Features

- AMD® Fusion APU, single and dual core
- Up to 4 Gbyte DDR3 RAM
- Graphics: Radeon HD6250
- LVDS, DDI
- Gigabit Ethernet, 8x USB 2.0
- High Definition Audio
- 4x SATA port
- Fail-Safe BIOS

### Specifications

#### Core System

Chipset	AMD Hudson-E1 Fusion®
Processor	AMD T40R, 1.0 GHz, single core AMD T56N, 1.65 GHz, dual core
BIOS	Phoenix UEFI Secure Core Tiano 2x SPI flash (fail safe)
Memory	1 GB or 2 GB soldered, 4 GB optional DDR3 1333 (T56N)/1066 (T40R)
Watchdog	Yes (1 second to 255 minutes)
Status LED	Power, power mode, SMC activity, watchdog
PCI Express Bus	4x PCI Express 2.0 x1 lanes 1x PCI Express 2.0 x4 lane on PEG
LPC Bus	Yes
SPI Bus	Yes
SEMA	Condition monitoring, with power sense

#### Multi I/O and Storage

USB	8x USB 2.0 host ports
Ethernet	10/100/1000 Mb/sec
SATA	4x SATA ports

#### Video

Graphics	Radeon HD6250, 280 MHz (T40R) Radeon HD6310, 600 MHz (T56N)
VGA	Yes
LVDS	Single channel, 18 bits 1440 x 900 or 1400x1050 pixel at 60 Hz max.

#### Audio

HD audio

#### Power

Power Supply	12 V ±5 % All voltages are generated on-board
Consumption	10 W to 22 W

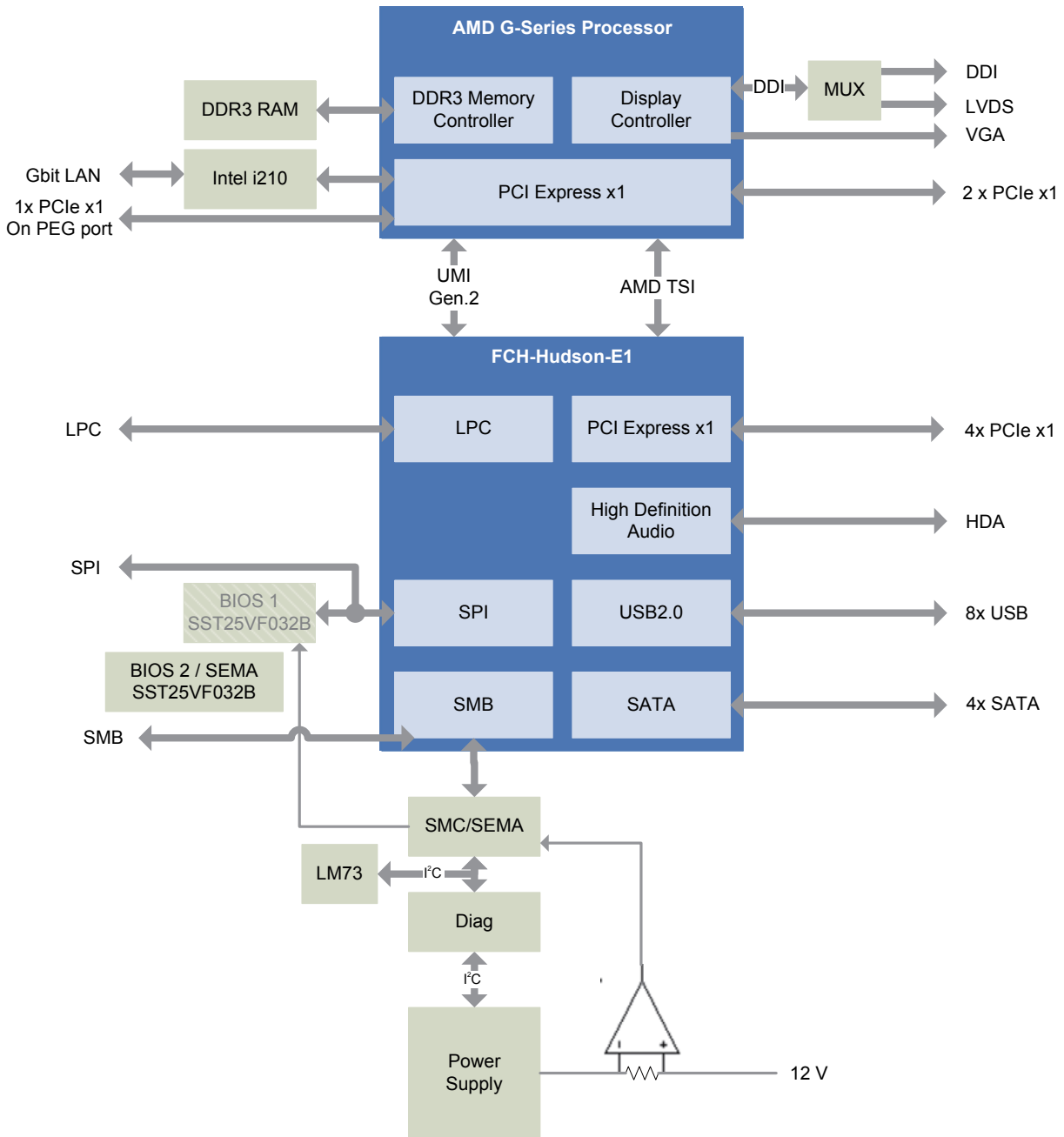
#### Mechanical and Environmental

Cooling	T40R: passive T56N: active
Operating Temperature	Standard: 0°C to +60°C Industrial: -20°C to +60°C Extended: -40°C to +85°C (only T40R)
MTBF	TBD, hours at 25°C

#### Operating Systems

Standard Support	Windows 7, Windows Compact 7 Windows XPe, Windows XP Linux
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## Functional Diagram



## Ordering Information

### Modules

Model Number	Description/Configuration	Model Number	Description/Configuration
709-0018-10	COM Express Compact (Type 6), Toucan-AF, AMD T40R SC, 1.0 GHz, 2 GB DDR3	809-0019-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.56 GHz, 2 GB DDR3
709-0019-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.56 GHz, 2 GB DDR3	809-0020-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.65 GHz, 4 GB DDR3
709-0020-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.65 GHz, 4 GB DDR3	909-0018-10	COM Express Compact (Type 6), Toucan-AF, AMD T40R SC, 1.0 GHz, 2 GB DDR3
809-0018-10	COM Express Compact (Type 6), Toucan-AF, AMD T40R SC, 1.0 GHz, 2 GB DDR3	909-0019-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.56 GHz, 2 GB DDR3
		909-0020-10	COM Express Compact (Type 6), Toucan-AF, AMD T56N DC, 1.65 GHz, 4 GB DDR3