

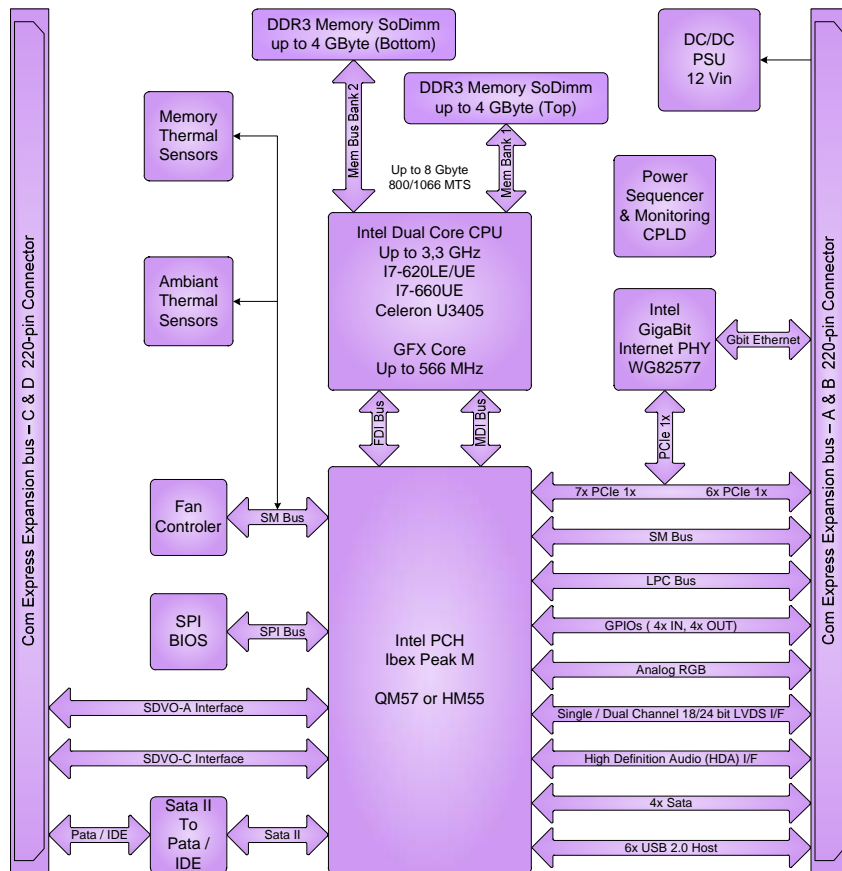


FEATURES

- ▶ CPU clock frequency up to 2.8 GHz in Turbo mode
- ▶ High-performance Intel® graphics (50% higher than previous Intel® generation)
- ▶ 95 mm x 95 mm form factor, 14-layer PCB
- ▶ Up to 8GB of DDR3 RAM in industry standard SODIMM form factor
- ▶ Revision controlled, qualified for harsh environment
- ▶ Full BIOS and hardware configuration customization available for specific application needs
- ▶ Legacy SATA to PATA interface built-in

Quad Core Calpella technology (i7 technology) COM Express compact form factor (95mm x 95 mm) with modular heat dissipation package solutions.

Block Diagram



CPU Options

Intel 620LE	i7, 2 GHz (max. 2.8 GHz), 4 MB cache, SSE 4.1/4.2, 25W, 32 nm
Intel 620UE	i7, 1.06 GHz (max. 2.1 GHz), 4 MB cache, SSE 4.1/4.2, 18W, 32 nm
Intel 660UE	i7, 1.33 GHz (max. 2.4 GHz), 4 MB cache, SSE 4.1/4.2, 18W, 32 nm
U3405	Celeron, 1 GHz, 2 MB cache, 18 W, 32 nm

System

Chipset	Intel PCH QM57 or HM55
BIOS	Insyde
Memory	two dual channel DDR3 SODIMM, up to 8 Gig of RAM
Thermal	12W to 25W
Operating	0°C to +65°C

Graphics and I/O Subsystems

Graphics	Intel® 2D/3D graphic subsystem
Connectivity	port A—SDVO/DVI/HDMI, port B—DP/DVI/HDMI
I/Os	6 PCIe 1x, 8x USB 2.0, LPC, SPI, SMBus, GigE, 4x SATA II, 1x Eide sata GPIOs, HAD, HD GMA from 166 MHz, single/dual channel 18/24 bits

Ordering Information

IT-CE315/1	i7 620LE, 2 Gig of DDR3
IT-CE315/2	i7 620UE, 2 Gig of DDR3
IT-CE315/3	i7 660UE, 2 Gig of DDR3