



BIS
Regn.No.
R-85000140

**Conforming to
BIS Standard
IS 13252
(Part-1): 2010**

Features

- Supports Intel® Core™ i7/i5/i3/Pentium® processor with H61 chipset.
- Two DIMM sockets support up to 16 GB DDR3 1066/1333/1600.
- Supports dual display VGA/DVI-D and dual GbE LAN.
- Supports one PCIe x16 and 5 PCI expansion slots.
- Supports 350 W ATX power supply.
- Easy to install drive bays to hold one 5.25" and one 2.5/3.5" drives (HDD/SSD).
- LED indicators for Power Status and HDD/SSD activity.
- Designed to withstand environmental extremes, such as shock, vibration and high temperature.
- 5.25" Internal DVD-RW (Optional).

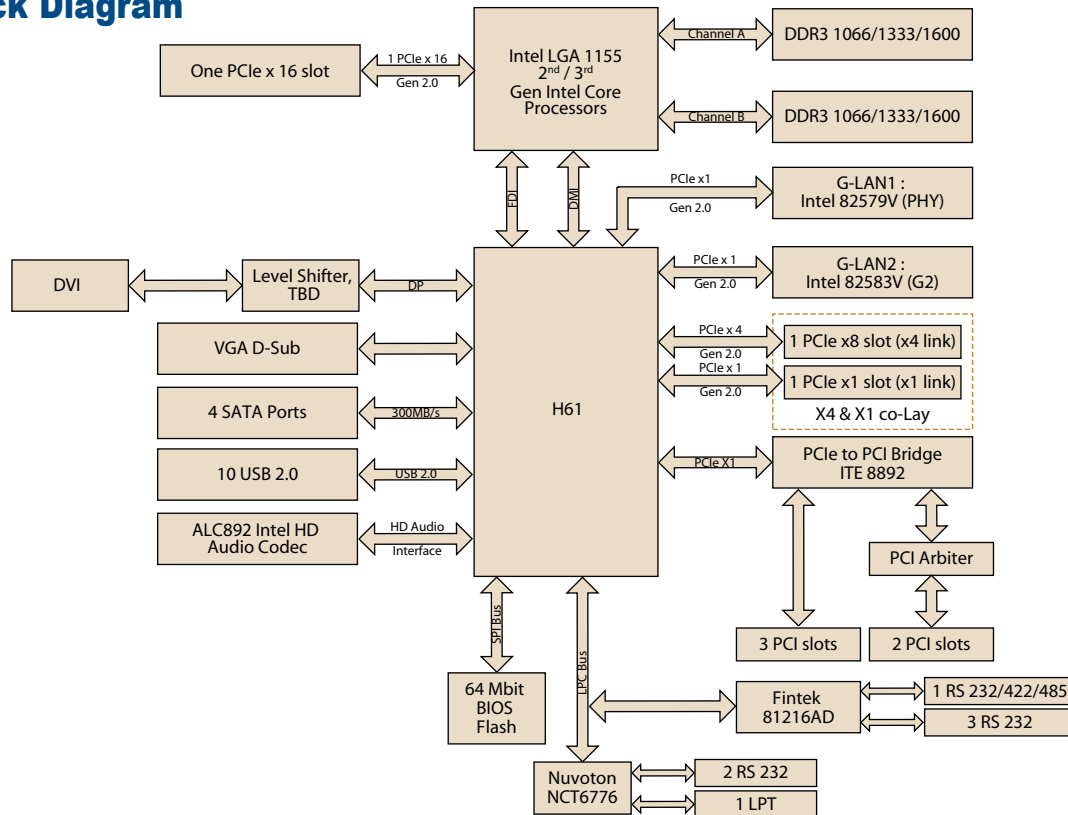


CE FCC

Specifications

Processor System	CPU	Core i7 3xxx	Core i5 3xxx	Core i3 3xxx
	Speed	3.4 GHz	3.4 GHz	3.4 GHz
	L3 Cache	8 MB	6 MB	3 MB
	Socket	LGA1155		
	Chipset/BIOS	H61/AMI 64 Mbit SPI		
	OS Support	Win 7 (32/64 bit)/WES7/Win 8.1/Win 10 Pro/ Win 10 IoT Ent LTSB/ Linux		
Expansion Slot	PCI	32-bit/33 MHz, 5 slots		
	PCIe x1 (Gen2)	500 MB/s, 1 slot		
	PCIe x16 (Gen2)	8 GB/s, 1 slot		
Memory	Technology	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)		
	Max. Capacity	16 GB		
	Socket	2 x 240-pin DIMM		
Graphics	Controller	Intel HD Graphics		
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed		
Ethernet	Interface	10/100/1000 Mbps		
	Controller	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V		
	Connector	RJ-45 x 2		
SATA	Max Data Transfer Rate	300 MB/s		
	Channel	4		
Front I/O	VGA	1		
	DVI	1		
	Ethernet	2		
	USB	4		
	Audio	2 (Mic-in, Line-out)		
	Serial	2 (RS-232)		
	PS/2	2 (1 x keyboard and 1 x mouse)		
Internal Connectors	USB	6		
	Serial	4 (3 x RS-232, 1 x RS-232/422/485 with auto-flow control)		
	IDE	-		
	SATA	4		
	Parallel	1		
	IrDA	1		
	GPIO	8-bit		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec		
Power Requirement	Power On	Intel i7 3770 3.4 GHz processor, DDR3 4 GB x 2		
		3.3 V	5 V	12 V
		1.01 A	1.08 A	5.48 A
				5 Vsb
Environment		Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F)		
		Non-Operating		
		-40 ~ 85° C (-40 ~ 185° F)		
		(Depends on CPU speed and cooler solution)		
Physical Characteristics	Vibration (5 ~ 500 Hz)	1 Grms		
	Shock	10 G (with 11 ms duration, half sine wave)		
	Dimensions (W x H x D)	380 x 164 x 316.5 mm (15" x 6.5" x 12.5")		

Block Diagram



Ordering Information

Part Number	Chipset	Memory	Display	USB 2.0	COM	GbE LAN	PCIe x1	PCIe x4	RAID
TECH-7120	H61	Non-ECC	VGA + DVI	6	4	2	Yes	NA	Optional

Front View



Inside View



Easy-to-maintain fan filter



User-friendly mechanical design for installing an add-on card