

	P5905	P5600	P5700
<b>Mainboard</b>			
Chipset	i945G Express	SIS761	i915GV
Mainboard Number	D2151	D2030	D2331
Mainboard form factor	µATX	µATX	µATX
Processor socket	LGA 775	Socket 939	LGA 775
Front side bus resp. system bus support	533/800/1066 MHz	2000 MHz	533/800 MHz
BIOS version	Phoenix Vers.5.0	Phoenix Vers.5.0	Phoenix Vers.5.0
Flash EPROM BIOS update by software	x	x	x
Recovery BIOS	x	x	x
<b>Processor</b>			
Intel Pentium D8xx	up to D820	-	-
Second level cache	2x1MB	-	-
Front side bus (FSB)	800 MHz	-	-
Intel P4 6xx	up to 650	-	up to 650
Second level cache	2MB	-	2MB
Front side bus (FSB)	800 MHz	-	800 MHz
Intel P4 5xx	521	-	521
Second level cache	1MB	-	1MB
Front side bus (FSB)	800 MHz	-	800 MHz
Intel Celeron D	up to D346	-	up to D346
Second level cache	256 KB	-	256 KB
Front side bus (FSB)	533 MHz	-	533 MHz
Athlon 64 X2	-	3800+	-
Second level cache	-	2 x 512 KB	-
System Bus support	-	2000 MHz	-
AMD Athlon 64	-	up to 3500+	-
Second level cache	-	512 KB	-
System Bus support	-	2000 MHz	-
AMD Sempron	-	3000+	-
Second level cache	-	128 KB	-
System Bus support	-	1600MHz	-
<b>Memory</b>			
Memory support	400/533/667 MHz	400 MHz	400/533 MHz
DIMM slots	4	4	4
dual channel support	x	x	x
Max. capacity DDR SDRAM 400 MHz	-	4GB	-
Max. capacity DDR2 SDRAM 533 MHz	4GB	-	4GB
Max. capacity DDR2 SDRAM 667 MHz	-	-	-
for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)	4GB address space thereof, max. 3.0GB usable for physical main memory	4GB address space thereof, max. 3.0GB usable for physical main memory	4GB address space thereof, max. 3.0GB usable for physical main memory
<b>Interfaces</b>			
Mouse/keyboard (PS2)	x/x	x/x	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x	x	x
Second serial port	-	-	-
Parallel (25pin with EPP and ECP)	x	x	x
Display (15 pin, VGA)	x	x	x
Display (DVI)	optional	optional (Q4/05)	optional
Micro (mono) rear	x	x	x
Line in (stereo) rear	x	x	x
Line out (stereo, 1Watt) rear	x	x	x
Micro (mono) front	x	x	x
Headphone in front	x	x	x
LAN RJ45	x	x	x
Universal Serial Bus (USB 2.0) in total	8	8	8
therefore			
USB rear	4	4	4
USB front	2	2	2
USB internal	2, optional rear	2, optional rear	2, optional rear
<b>Interfaces add on cards</b>			
Dual port RS232 , serial (Sunix)	optional	optional	optional
<b>LAN on board</b>			
10/100/1000 MBit/s	Broadcom BCM5751	Realtek RTL8110	Realtek RTL8110
Wake up on LAN (WOL)	x	x	x
PXE	x	x	x
BootP	optional	optional	optional
<b>LAN add on cards</b>			
WLAN 802.11b/g (intern USB), module	optional in 3.5" bay	optional in 3.5" bay	optional in 3.5" bay
Gigabit Ethernet, SysKconnect	optional	optional	optional
<b>Audio on board</b>			
Internal speaker supports audio playback	x	x	x
AC97	-	Realtek ALC655	-
High definition audio	Realtek ALC260	-	Realtek ALC260
<b>I/O controller onboard</b>			
Fast IDE/Ultra DMA-100 bus master capability	for 2 drives	for 2 drives	for 2 drives
Serial ATA	2	2	2
Serial ATA II (NCQ/3GBit)	-/x	x/-	-
Raid 1/0	-	x	-

Drive bays	6	6	6
internal 3,5"	2	2	2
external 3,5"	2	2	2
external 5,25"	2	2	2
Floppy disk drive 1.44 MB standard	optional	optional	optional
Hard disk drives			
Serial ATA 40 GB	x	x	x
Serial ATA II 40 / 80 / 160 / 250 GB supporting NCQ and 3GBit if chipset support is available)	-/x/x/x	-/x/x/x	-/x/x/x
Optical drives (IDE)			
48-speed ATAPI CD ROM	optional	optional	optional
16/48-speed ATAPI DVD ROM	optional	optional	optional
48/24/48/16-speed ATAPI CD-RW / DVD ROM	optional	optional	optional
DVD SuperMulti writer double layer support	optional	optional	optional
24/10/24/8-speed ATAPI CD RW / CD ROM slim	-	-	-
Multibay 24/10/24/8 CD RW / DVD ROM slim	-	-	-
Multibay DVD writer	-	-	-
Slots			
PCI	2 (230 mm / 312 mm)	2 (230 mm / 312 mm)	2 (230 mm / 312 mm)
PCI Express x16	1 (230mm)	1 (230mm)	only DVI support
PCI Express x1	1 (230mm)	1 (230mm)	1 (230mm)
Graphic on board	Intel® GMA950	SiS761	Intel® GMA900
Shared memory depending on driver	up to 224MB	32, 64 or 128MB	up to 128MB
Resolution (color depth up to 32 Bit/pixel)			
1024 x 768 (recommended / max*)	85 / 120 Hz	85 Hz	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz	85 Hz	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 Hz	60 Hz	85
1440 x 900 widescreen TFT (VGA / DVI)	- / x	- / -	- / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x	- / -	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x	- / -	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.			
Graphic add on cards			
nVidia GeForce FX 6200TC 128MB, dual DVI/VGA	optional	optional	-
nVIDIA Quadro NVS280 64 MB, Dual DVI, LP DVI extension adapter	-	-	-
	optional	from 1/06	optional
Electrical values			
Rated voltage	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz
Max. output of power supply	260 W	260 W	260 W
Monitor outlet	yes	yes	yes
Power consumption for standard configuration (W)			
Peak (running app. CD in use)	185W	104W	176W
Average (running OS, Idle mode)	73W	52W	85W
Minimum (ACPI status S5, soft off)	1W	1,9W	1,5W
Heat dissipation (kJ/h / BTU/h)			
Peak (running app. CD in use)	666 kJ/h / 632 BTU/h	375 kJ/h / 356 BTU/h	634 kJ/h / 601 BTU/h
Average (running OS, Idle mode)	263 kJ/h / 250 BTU/h	188 kJ/h / 178 BTU/h	306 kJ/h / 291 BTU/h
Minimum (ACPI status S5, soft off)	3,6 kJ/h / 3,4 BTU/h	6,9 kJ/h / 6,5 BTU/h	5,4 kJ/h / 5,2 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h			
Noise for standard configuration			
A weighted sound power level Lwad / Workplace related A-weighted sound pressure level LpAm (bystander position) (ISO9296)			
LWAd in B / LpAm in dB (Idle mode)	3,7B / 23dB	3,6B / 21dB	3,7B / 23dB
LWAd in B / LpAm in dB (office work)	4,1B / 26dB	3,9B / 24dB	3,9B / 24dB
LWAd in B / LpAm in dB (Operating, HDD performance)	4,5B / 31dB	4,2B / 27dB	4,0B / 25dB
Ambient temperature (IEC 721)	15°C - 35°C	15°C - 35°C	15°C - 35°C
Dimensions (H x W x D)	372 x 202 x 376 mm	372 x 202 x 376 mm	372 x 202 x 376 mm
Weight (depending on config)	approx. 11 kg	approx. 11 kg	approx. 11 kg
Approvals and standards			
CE certification according to EU Directives 89/336/EEC (EMC) and 73/23/EEC (Product safety)	x	x	x
Ergonomics ISO9241 (GS mark)	x	x	x
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x	x
Electromagn. compatibility EN55022/B, FCC class B, EN55024,	x	x	x

EN61000-3-2/3			
Environmental compatibility			
Energy Star	x	x	x
Blue Angel	x	x	x
Nordic Swan	x	TBD	TBD
Software (compatibility / preinstalled)			
Microsoft Windows 2000	x / -	x / -	x / -
Microsoft Windows XP Home	x / optional	x / optional	x / optional
Microsoft Windows XP Professional	x / optional	x / optional	x / optional
Microsoft Windows XP Professional x64 Edition	x / optional	x / optional	- / -
Microsoft Windows Vista™	capable	capable	capable
Linux	planned	planned	planned
Additional Software			
Drivers and Utility CD (DUCD)	included	included	included
XONTROL (noise reduction for optical drives)	included	included	included
F-Secure virus Scanner	included	included	included
SafeStandby	included	included	included
Recover Pro disaster recovery solution	optional	optional	optional
Others			
Thermal Management	x	x	x
Keyboard on switch supported	x	x	x
Spare part availability	5 years	5 years	5 years
Compatibility (references)			
Microsoft Operating Systems (HCT / HCL entry)	x	x	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0, Hyper-Threading	x	x	x
Manageability			
DeskView 10.x client management (remote and local), including:	x	x	x
Detailed remote system inventory	x	x	x
Remote BIOS Management	x	x	x
Notifications for system surveillance	x	x	x
Advanced alerts (ASF implementation)	x	-	-
Remote power management	x	x	x
DeskUpdate Driver management	x	x	x
PXE 2.1 Boot code	x	x	x
BootP Boot Code including Bootmanage Administrator Software	optional	optional	optional
Wake up from S5 (off mode)	x	x	x
Intrusion switch	optional	optional	optional
DeskView Migrate	optional	optional	optional
DeskView Control	optional	optional	optional
Security			
Security functions implemented in the cabinet: Prepared for Kensington lock, eye for padlock, seal option	x	x	x
Integrated cabinet lock	optional	optional	optional
Access protection via external SmartCard reader	optional	optional	optional
Access protection via internal SmartCard reader	optional	optional	optional
Fujitsu Siemens Computers MEMORYBIRD Security	x	-	-
Embedded security (TPM1.1)	optional	-	-
System Lock	x	-	-
SecureIT Suite	optional	optional	optional
Security function implemented in the BIOS, including:			
Write protect option for the Flash EPROM	x	x	x
Passwords for system and setup	x	x	x
Password for hard disk	x	x	x
Control of external interfaces	x	x	x
Control of all USB interfaces / external USB interfaces detachable separately	x / x	x / -	x / -
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x	x	x
Virus protection in BIOS	x	x	x
Serviceability			
FlexySlot	x	x	x
EasyFix	-	-	-
EasyChange (for HDD / for optical drives)	x / -	x / -	x / -
EasyPull	x	x	x