




## smartModules






Type	smartModule586PC	smartModule520PC	SM855-C120
CPU	ELAN520	ELAN520	Intel Celeron M120
BUS System	smartBus 480	smartBus 480	smartBus855
PCI Express	—	—	—
Expansion Interface	ISA, PCI, MEMORY	ISA, PCI, MEMORY	—
2nd Level Cache	—	—	0
Performance P4/Clock	133	60/100/133	800MHz
DRAM (MB)	SODIMM 16-128	SODIMM 32-128	DDR-SODIMM 128-1024
Power Management	—	—	—
FSB	—	—	400MHz
Flashdisk (MB)	2-8	2MB	—
CompactFlash	—	—	—
PC-Card Interface	—	—	—
Mouse, Keyboard	yes	yes	SuperI/O on LPC
Keypad	—	—	—
Floppy Interface	yes	yes	SuperI/O on LPC
HD Interface	—	—	2x P-ATA
IDE Interface	PCI	PCI	—
COM1	TTL	TTL	SuperI/O on LPC
COM2	TTL	TTL	SuperI/O on LPC
LPT1	yes	yes	SuperI/O on LPC
IrDA	external	external	external
USB	2	2x V1.1	6x V2.0
LAN	optional (PCX)	—	100/10BASE-T (ext. PHY)
Video Controller	SXGA 69000	—	i855GME
Video Datapath	PCI	—	32Bit
Video Memory	2 MByte	—	16-64MB UMA
LCD Interface	36 Bit TFT 3V	—	8/24 Bit LVDS
LCD Resolution	1280 x 1024 x 256	—	—
DVI Interface	—	—	DVO
TV Out	—	—	—
TV out Resolution	—	—	—
Audio	—	—	AC97
EEPROM Support	yes	yes	yes
Watchdog	yes	yes	yes
Power Normal	5V/1,0A (typ.)	5V/1,5A (typ.)	5V/~2.7A (@512/800MHz)

<b>Power Suspend</b>	5V/0,1A (typ.)	no APM	—
<b>Cooling Type</b>	passive	passive	passive
<b>Operating Temp.</b>	-25°C to +60°C	-25°C to +60°C	-20°C to +70°C
<b>Extended Temp.</b>	-40°C to +85°C	-40°C to +70°C	-40°C to +70°C
<b>Size (mm)</b>	66 x 85 x 12	66 x 85 x 14	115x70
<b>Weight (gr)</b>	90	90	110
<b>MTBF</b>	> 200'000 h	> 200'000 h	> 300'000 h
<b>Embedded DOS</b>	—	—	—
<b>RoHS</b>			

## smartModules





Type	SM855-C300	SM855-C373	SM855-P738
CPU	Intel Celeron M300	Intel Celeron M373	Intel Pentium M738
BUS System	smartBus855	smartBus855	smartBus855
PCI Express	—	—	—
Expansion Interface	—	—	—
2nd Level Cache	512kB	2048kB	2048kB
Performance P4/Clock	600MHz	1GHz	1.4GHz
DRAM (MB)	DDR-SODIMM 128-1024	DDR-SODIMM 128-1024	DDR-SODIMM 128-1024
Power Management	—	—	Speedstep
FSB	400MHz	400MHz	400MHz
Flashdisk (MB)	—	—	—
CompactFlash	—	—	—
PC-Card Interface	—	—	—
Mouse, Keyboard	SuperI/O on LPC	SuperI/O on LPC	SuperI/O on LPC
Keypad	—	—	—
Floppy Interface	SuperI/O on LPC	SuperI/O on LPC	SuperI/O on LPC
HD Interface	2x P-ATA	2x P-ATA	2x P-ATA
IDE Interface	—	—	—
COM1	SuperI/O on LPC	SuperI/O on LPC	SuperI/O on LPC
COM2	SuperI/O on LPC	SuperI/O on LPC	SuperI/O on LPC
LPT1	SuperI/O on LPC	SuperI/O on LPC	SuperI/O on LPC
IrDA	external	external	external
USB	6x V2.0	6x V2.0	6x V2.0
LAN	100/10BASE-T (ext. PHY)	100/10BASE-T (ext. PHY)	100/10BASE-T (ext. PHY)
Video Controller	i855GME	i855GME	i855GME
Video Datapath	32Bit	32Bit	32Bit
Video Memory	16-64MB UMA	16-64MB UMA	16-64MB UMA
LCD Interface	8/24 Bit LVDS	8/24 Bit LVDS	8/24 Bit LVDS
LCD Resolution	—	—	—
DVI Interface	DVO	DVO	DVO
TV Out	—	—	—
TV Out Resolution	—	—	—
Audio	AC97	AC97	AC97
EEPROM Support	yes	yes	yes
Watchdog	yes	yes	yes
Power Normal	5V/~2.5A (@512/600MHz)	5V/~2.7A (@512/1GHz)	5V/~3.4A (@512/1.4GHz)

<b>Power Suspend</b>	—	—	—
<b>Cooling Type</b>	passive	active/passive	active/passive
<b>Operating Temp.</b>	-20°C to +70°C	-20°C to +60°C	-20°C to +60°C
<b>Extended Temp.</b>	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
<b>Size (mm)</b>	115x70	115x70	115x70
<b>Weight (gr)</b>	110	110	110
<b>MTBF</b>	> 300'000 h	> 300'000 h	> 300'000 h
<b>Embedded DOS</b>	—	—	—
<b>RoHS</b>			

## smartModules



Type	SM855-P745	SM915-P760
CPU	Intel Pentium M745	Intel Pentium M760
BUS System	smartBus855	smartBus855
PCI Express	—	PCI Express: 4 lanes x 1
Expansion Interface	—	—
2nd Level Cache	2048kB	2048kB
Performance P4/Clock	1.8GHz	2.0GHz
DRAM (MB)	DDR-SODIMM 128-1024	DDR-SODIMM 128-1024
Power Management	Speedstep	Speedstep
FSB	400MHz	533MHz
Flashdisk (MB)	—	—
CompactFlash	—	—
PC-Card Interface	—	—
Mouse, Keyboard	SuperI/O on LPC	PS/2 (SuperI/O on LPC)
Keypad	—	—
Floppy Interface	SuperI/O on LPC	1x (SuperI/O on LPC)
HD Interface	2x P-ATA	2x S-ATA, 1x P-ATA
IDE Interface	—	—
COM1	SuperI/O on LPC	SuperI/O on LPC
COM2	SuperI/O on LPC	SuperI/O on LPC
LPT1	SuperI/O on LPC	SuperI/O on LPC
IrDA	external	SuperI/O on LPC
USB	6x V2.0	8x USB V2.0
LAN	100/10BASE-T (ext. PHY)	100/10BASE-T (ext. PHY)
Video Controller	i855GME	i915GM
Video Datapath	32Bit	64Bit
Video Memory	16-64MB UMA	16-2564MB UMA
LCD Interface	18/24 Bit LVDS	2x 18Bit LVDS
LCD Resolution	—	—
DVI Interface	DVO	SDVO
TV Out	—	HDTV, NTSC, PAL
TV Out Resolution	—	2048 x 1536, 400MHz
Audio	AC97	AC97, 7.1DTS
EEPROM Support	yes	yes
Watchdog	yes	yes
Power Normal	5V/~4.2A (@512/1.8GHz)	—

<b>Power Suspend</b>	—	—
<b>Cooling Type</b>	active/passive	active
<b>Operating Temp.</b>	-20°C to +40°C	0°C to +50°C
<b>Extended Temp.</b>	-40°C to +50°C	-40°C to +50°C
<b>Size (mm)</b>	115x70	117 x 70 x 15
<b>Weight (gr)</b>	110	110
<b>MTBF</b>	> 200'000 h	> 200'000 h
<b>Embedded DOS</b>	—	—
<b>RoHS</b>		



## smartModules

All data subject to change without notice.

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