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Samsung Q1 Hardware Specification Australian Release

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Image



Model Code

NP-Q1-V000/SAU

Processor and Motherboard

CPU

Intel Celeron M ULV Processor (FSB 400MHz)

Speed

Dothan 900MHz

Cache

512KB

Chipset

Intel 915GMS, int Graphics

BIOS
Thermal Design Performance

8 Mbit, Flash upgradable
5.5W TDP

Memory

Memory / Max. Memory	512MB / Max.1GB (1GB SODIMM), No on board memory
Memory type	DDR2 SODIMM PC3200(400MHz)
Memory Modules	256MB, 512MB, 1GB SODIMM
Sockets	1 SODIMM Sockets

Display and Graphics

LCD	7" WVGA (800x480)
LCD Vendor	CPT (CLAA070VA03T)
7" WVGA	
LCD Viewable Area	154.8(W) x 93.84(H)
LCD Resolution	Wide VGA(800 x 480), 262144 color
Pixel Pitch	0.1905(H) x 0.1905(V) mm
Viewing angle	140 degree(H)/100 degree(V)
Contrast Ratio(5 Point)	320(Min)/400(Typ)
Brightness	160nit(Min)/180nit(Typ)
Response time	(Rising+Falling) typ.30ms
Graphics Controller	Intel Graphic Media Accelerator 900
Video Memory	DVMT Max 128MB
Max.Resolution for LFP LVDS	800 x 480 x 32Bits color (WVGA)
Max.Resolution for External Monitor	2048 x 1536 @75HZ (CRT)

Audio

Sound	Intel HD audio
Controller	Intel HD compliant CODEC, AD1986
Conversion	Built-in high performance 20-bit ADC & 20-bit DAC
Internal Interfaces	Embedded stereo speakers, internal array microphone
Speaker Power Rating	2 Speakers x 2 Watt with enclosure each
External Interfaces	Headphone

Controls
Array Mic
Controller
Conversion

Extra volume control key, SRS(Trusurround, WOW) 3D sound effect key
2 Array Mic
AD1986

Storage

Hard Disk Drive

Supports
Average Access Time
Speed
Capacity

1.8" HDD
Multi word DMA, UltraDMA modes and Advanced PIO mode support
15 m sec.
4200rpm

Optical Disk Drive (Option)

Type
Weight
S/W supplied

40GB
DVD-Combo / Supermulti (External)
External USB Type ODD
292g/9.5mm, 396g/12.7mm
Power DVD Player , Burning function in Windows XP

Network Tools

LAN

Chipset
Features

10/100 Ethernet UTP

Marvell 88E8036

RJ45 Output

Wireless LAN

Type
Chipset
Antenna

802.11b/g, Module : Askey, Chipset : Atheros AR5BXB61
Mini-PCI Express (Factory Option)

AR2423

Integrated 1 Antenna

Bluetooth

Type
Chipset

Bluetooth V.2.0 BCM92045NMD(version 2.0): Factory Option

USB daughter card with integrated PIFA antenna

Broadcom, BCM2045

I/O Interface

CF Card Slots

Controller
Support

1 Type II slot

Ricoh R5C801
32bit CardBus cards

I/O Ports

USB Port	2 (USB2.0, Powered USB)
Video Port	VGA port(15pin)
TV-out connector	-
Audio Jacks	1 HeadPhone-out
Modem / LAN	RJ45
Power	1 DC-In (8.4pie)

Input Devices

Touch Panel Screen	Youngfast
Joystick	8 way direction button
Buttons	Auto Scaler, Enter, Menu, 4 User Define (Button, Volume Up/Down, Hold Switch)
TSP (Touch Screen Panel)	4-wire resistive type
Quick Access Button	MIO / Power Switch

Special Feature

AV Station Now

OS	XP Embedded
Function	Movie player / Audio player / Picture slide show
Boot-up time	17 Sec (Including HDD Navigation)
Control Button	8 Way Joystick, Enter, Menu, TSP (Touch Screen)

Power and Power Management

Battery (Standard)

	AA-PB0UC3B (3cells, Smart Li-Ion Battery)
Dimension	270x33.5x22.5mm
Weight	180g (max)
Recharge Time	2 hours to 100% with Windows on & off
Battery Life	over 3 hours (Battery mark 4.01)
Details of Cell	3cells (1Parallel 3Serial)
Voltage	11.1Vdc
Battery Capacity	2600mAh/cell
Battery Rating	11.1V / 2600mAh (28.86Wh)

AC Adapter

Output Power
Dimension
Weight (AC Adapter)
Worldwide Compatibility
Line Frequency
Adapter Rating - Input
Adapter Rating - Output

AD-6019S

60Watts
108 X 47 X 28mm
270g (typ)
Auto-sensing 100 - 240VAC
50 / 60Hz
100V - 240V, 1.8A
19.0VDC / 3.16A
ACPI 1.0b support, Standby(S3), Hibernate(S4)

Power Management Features***System Dimensions***

Dimensions (W X D X H) 227.5 x 139.5 x 24.5~26.5 mm
Weight (Full system / 4cell Battery) **777g (w/o DMB), 806g (w DMB)**
Status : No options, 3cell battery, 1.8" 40GB HDD, 7" TSP LCD(200 nit)
Materials Front: PC, Back: PC/ABS