

# Marketing Specification

## F7SR Series Notebook PC

### Powerful Mobile Station



F7SR(1A)



F7SR(1A)



PRO71SR(1B)/X70SR(1B)



PRO71SR(1B)/X70SR(1B)

#### Processor & Cache

Intel® Core™ 2 Duo Processor T7700/T7500/T7300 with 4MB On-Die L2 Cache. 2.4/2.2/2.0GHz. FSB=800MHz.

Intel® Core™ 2 Duo Processor T7250/T7100 with 2MB On-Die L2 Cache. 2.0/1.8GHz. FSB=800MHz.

Intel® Core™ 2 Duo Processor T5450/T5250 with 2MB On-Die L2 Cache. 1.66/1.5GHz. FSB=667MHz.

\* Intel's numbering is not a measurement of higher performance.

NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

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## Operating System

### Preinstalled or Without OS

Genuine Windows® Vista™(32 bit/64 bit)

- Genuine Home Premium
- Genuine Business
- Genuine Ultimate
- Genuine Basic

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## Chipset

Mobile Intel® PM965 Express Chipset with ICH8M. (800/667 MHz Front Side Bus)

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## BIOS

AMI 8MB Flash EPROM, PMU, Plug & Play.

Boot from IDE ODD, HDD, USB FDD, USB ODD, E-SATA device, Lan, WLAN and AI-Flash

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## System Memory

### Standard

1024-MB or 2048-MB 667-MHz DDRII SDRAM; 2 x SODIMM slots supporting dual channel memory

### Maximum

Upgradeable to 4096-MB maximum\* (2048-MB SODIMM in slots 1 and 2)

### Dual-Channel

DDR2 667 DRAM support

NOTE: Vista 32bit standard of memory modules at least 512-MB (and above). If you mix memory speeds, the system will perform at the lower memory speed.

Above 3-GB, all memory may not be available due to system resource requirements, only Vista64bit supports 4GB.

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## Display

### Internal

17-inch WXGA+ (1440x900 )/ WUXGA(1920\*1200) glare type

### External

Up to 32-bit per pixel color depth

VGA 640 x 480 256/64K/16.7M colors

SVGA 800 x 600 256/64K/16.7M colors

XGA 1024 x 768 256/64K/16.7M colors

UXGA 1600 x1200 256/64K/16.7M colors

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

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## Graphics

ATI Mobility Radeon HD2400

External VRAM 256M (32Mx16x4), 500MHz (DDRII VRAM\*8 reserved)

DX10 Support

H.264/VC-1 Hardware Decoding

HDCP support for DVI/HDMI port

Hyper Memory 512MB (When System Memory 1G)

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## Multi-Card Reader

8 in 1, Supports SD (Secure Digital), MMC (MultiMedia Card), Memory Stick, Memory Stick Pro, Memory Stick Duo\*, Smart Media, xD-Picture card

\*NOTE: Memory Stick Duo Adapters are required and sold separately. Inserting a Memory Stick Duo

Card directly into your notebook could damage the memory card and/or notebook.

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## Hard Disk Drive

9.5 mm 5400 rpm 2.5" SATA HDD

160G/120G/80G

9.5 mm 4200 rpm 2.5" SATA HDD

200G

NOTE: These hard drives are customer removable and will withstand multiple insertion/removal cycles.

Up to 8 GB is reserved for the system recovery software.

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## Optical Storage Device

5.25" 12.7mm

24/10/8/24X Combo CD-RW+DVD

DVD-Super Multi DL

DVD- Super Multi DL LightScribe

HD-DVD (BTO)

Blu-Ray DVD (BTO)

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## Expansion Card Slots

Express Card slot

Express Card/34 or ExpressCard/54

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## Camera

1.3 Mega pixels fix type CMOS Camera (Option)

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## Keyboard

340mm keyboard with numeric keys

19 mm full size, with MS-Windows Vista function keys

C/V/T Keycap printing (Splendid/Taking Picture/Power4phone). No function key printing on B Key (Detail pls refer to the ASUS Standard K/B

Matrix & Layout r1.7)

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## TV Tuner

Mini-Card form factor, USB interface. (Option)

Hybrid TV Tuner with Remote Control, USB Receiver, Antenna, and, AV-in cable, Digital/Analog Signal Cable, NTSC/PAL Adapter

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## Intel Turbo Memory

Mini-Card interface 1G (Option)

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## Network Connectivity

Intel® Wireless WiFi Link 4965AGN Network Connection (Option)

Intel® PRO/Wireless 3945ABG Network Connection (Option)

Bluetooth V2.0+EDR (Option)

On board 10/100/1000 Mbps Fast Ethernet Controller

Full and Half duplex mode support for 10/100/1000 Mbps

56K S/W modem (MDC type).Video-conferencing I/F Compliance, V.92 support. Worldwide regulation, FCC/JATE/CTR21/DGT compliance.

Azalia Compliant MDM

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## Interface

Express Card Slot Express	ExpressCard/34 or ExpressCard/54
VGA port/Mini D-sub 15-pin for external monitor	One
IEEE 1394a Port	One
External Microphone	One
Headphone(SPDIF)/Mic-in	One

Power Connector	One
RJ-11 (Modem)	One
RJ-45 (NIC)	One
S-Video TV Out	One (Support for NTSC/PAL)
USB 2.0	Five
AV-in&RF-in(W/Hybrid TV model)	One
E-SATA Port	One
HDMI Port	One
LED Status Indicators	Eight

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### LED Status Indicator

Front side (From left to right)

- ☐ Bat. Charging/full/low (Orange)
- ☐ Wireless indicator (Green)
- ☐ Bluetooth Indicator (Green)
- ☐ Power-on/Suspend (Green)

Near Power button (From Left to Right)

- ☐ Num Lock (Green)
  - ☐ Cap. Lock(Green)
  - ☐ Scroll lock (Green)
  - Storage device access(Green)
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### Audio

Built-in Azalia compliant audio chip, with 3D effect & full duplex

Build-in stereo speakers (2W) and microphone.

SoundBlaster Pro Compatible

Support Audio Jack Detect for Vista Basic Logo

Support Audio CODEC criteria for Vista Premium Logo

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### Power Management

Full feature SMI power management, Stand-by, Suspend to Disk, and Suspend to RAM

ACPI 1.0b and 2.0 (partially) and 3.0 (partially) supported

MDP 2003 compatible

Support New Battery charging policy.

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### Battery

Li-Ion 53WHrs (6 cells: 4800mAh, 3S2P),

Li-Ion 80WHrs (9 cells: 7200mAh, 3S3P)

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### Power Supply

Output : 19V,90W

Input : 100~240V AC, 50/60Hz universal

3/ 2 pin compact power supply system

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### Hot Keys



**Instant Launch Keys**

Power4 Gear +

WLAN/Bluetooth On/Off Switch

**Function Keys**

Fn+F1	Suspend Switch	Fn+F2	Wireless/Bluetooth switch	Fn+F3	E-mail
Fn+F4	Internet	Fn+F5	Brightness down	Fn+F6	Brightness up
Fn+F7	LCD on/off	Fn+F8	LCD/External Display switch display	Fn+F9	Touch Pad lock
Fn+F10	Volume on/mute	Fn+F11	Volume down	Fn+F12	Volume up
Fn+Space	Power 4 Gear	Num Lk	Numeric or direction keypad select	Fn+Num Lk	Scroll Lock
Fn+C	Splendid	Fn+T	Power 4 phone	Fn+V	Taking Picture
Fn+ ←	Previous section / Previous Track	Fn+ →	Next section / Next Track	Fn+↑	Stop
Fn+↓	Play/Pause				

**Pointing Device**

Built-in Wide 16:9 Touchpad

2 click buttons

Support Pad-Lock Function (Fn+F9 on/off)

**Heat Dissipation**

ADTD (Developed by Asus) to handle 35W CPU thermal envelope

25W VGA with 256M VRAM thermal envelope

High-exchange efficiency copper molding heatsink with heat-pipes

Temperature-Controlled cooling fan

**Dimensions (WxDxH)** 403 x 299.5 x 32.3~41.8 mm**Weight** 3550g (with 6 cell battery)/ 3690g (with 9 cell battery)

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.

**Security**

BIOS Booting User Password Protection

HDD User Password Protection and Security Lock

Kensington Lock hole provided

Trusted Platform Module V1.2 (Option)

**Accessory (Option)**

USB Mouse

Bag

Li-Ion 53WHrs Battery (6 cells: 4800mAh),

Li-Ion 80WHrs Battery (9 cells: 7200mAh)

90W Adapter (3 Pin)

Remote Control, USB Receiver, Antenna, and, AV-in cable, Digital/Analog Signal Cable, NTSC/PAL Adapter (W/Hybrid TV model)

**Software Utility**

- **Driver DVD (Preinstalled)**

Asus Win flash for BIOS and Driver live Update

Asus NB Probe +

Asus Live Update

Asus Screen Saver

Splendid Video Enhancement Technology

Asus Power 4 Gear eXtreme

Asus Power 4 phone

ASUS Multi-Frame (Not Preinstalled)

ASUS Wireless Console (w/ WLAN model)

Net 4 switch (Not Preinstalled)

Asus Life frame II (w/ webcam model)

Virtual Camera (w/ webcam model) (Not Preinstalled)

Asus Data Security Management

Infineon Security Platform Host SW (W/TPM Model)

● **Additional Disc**

ASUS DVD 3 in 1 for Vista (w/ DVD model and Vista Business Edition) latest qualified version

Intervideo Win-DVD (w/ HD or BD DVD model) w/ latest qualified version

Norton Internet Security 2007 **(Preinstalled)**

Adobe Reader for Vista (V7.0) **(Preinstalled)**

Nero V7.x (Vista ready)(Bundle with CD/DVD recorder) **(Preinstalled)**

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**Industry Standard Certifications**

EMI: USA(FCC-B), TWN, CCC

Safety: CE, CB, cUL, CCC,

Modem: Universal PPT including US (FCC-68), TWN (DGT), PRC, JPN (JATE), EURO (CTR21)

TWN

Microsoft Vista Premium Logo

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**Revision History**