PowerLite™ Workbook

The RDI PowerLite is designed for users requiring uncompromised desktop configurations and portable computing in a slim-line, light-weight notebook style unit. The PowerLite matches a workstation's high resolution display, SBus, and internal disk capacity to handle the most demanding workstation user requirements.

The PowerLite's 10.4 inch, 1024x768 color, active matrix LCD is the most advanced display of any portable workstation and ensures desktop compatibility. The 640x480 Color*plus*™ active matrix LCD provides 262,000 colors and 64 levels of grayscale for image applications requiring accurate color and tone rendering. The PowerLite supports connection to external Sun™ monitors, PC monitors or overhead projection panels.

With 60 MIPS and up to 80 MB of memory, the PowerLite supports workstation class applications for true mobile computing. PowerLite can be configured with up to 1 GB of internal disk and expanded to 2 GB with the addition of the Peripheral Expansion Unit (PXU). This eliminates the need for partial application or partial operating system loads. With 2 SBus slots, SCSI expansion, AUI, 10-BaseT, and a complete installation of unmodified Solaris® 1.1.1 or optional 2.3, workstation users are ensured 100% compatibility to thousands of off-the-shelf Motif or OpenWindows™ based SPARC® applications, including ShowMe Video™, ShowMe Whiteboard™, and ShowMe App™.

To help make your work in the field efficient, productive, and easy, RDI provides a framework of tools called Virtual Workgroup Architecture (VWA). VWA integrates seamlessly into the Solaris operating environment, providing automatic network connection and administration, along with FAX and modem tools. For high speed communications on the road, the PowerLite's standard FAX/modem has V.32 bis (14.4K/bps) and Group III (send/receive FAX) capabilites.

RDI's PowerLite redefines portable workstations by balancing the power of mobile computing and desktop functionality, with NO compromises.

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Specifications

Software

Operating System	Solaris 1.1.1 or 2.3
Window System	Motif with Panorama, or OpenWindows 3.0
Networking	ONC™, NFS®, TCP/IP, SunNet™, OSI, MHS
VWA	AutoNET™/JOIN™ XpressFax™

Processor

50 MHz microSPARC®, SPARC Version 8

Performance

SPECint92[1]	26.4
SPECfp92[2]	21.0
MIPS	59.1
MFLOPS	4.6

Memory (Parity)

Standard	16 MB
Expansion	16, 32, 64 MB (80 MB maximum)
Cache	2 KB data, 4 KB instruction
MMU	SPARC reference Memory Management Unit with 64 contexts

On board frame buffer

cg3 compatible, 8-bit

Display Options

Color 1024x768 or Color*plus* 640x480 active matrix LCD:

	640x480	1024x768
Palette	262,000	512
Concurrent Colors	256	256
Grayscale levels	64	8
Pixel aspect ratio	1:1	1:1
Screen aspect ratio	4:3	4:3
Dot pitch	.33 mm	.20mm
Dots per inch	77	120
Display Height	6.38 in. (162 mm)	
Display Width	8.63 in. (219 mm)	
Display Diagonal	10.4 in. (264 mm)	

Keyboard

Full-size, Sun-5™ compatible, 104 keys, 3-button integrated trackball

Mass Storage

Floppy Disk Drive	3.5 inch, auto-sensing
Capacity	720 KB or 1.44 MB
Hard Disk Drive:	
340 MB - 14 ms average seek time	
Optional (2) or (3) drive configurations[3]	

Optional Peripheral Expansion Unit

Provides (2) 3.5" peripheral expansion bays and (2) standard SBus slots, with power supply

Standard Interfaces

Ethernet	10 Mb/sec twisted-pair standard (10-BaseT) AUI interface
SCSI	10-MB/sec SCSI-2 (synchronous)
Serial	Two RS-232C serial ports
Parallel	Centronics-compatible parallel port
Audio	8-bit audio, 8-48 KHz Internal speaker and microphone
External monitor	13W3 D-type socket
Mouse/keyboard	8-pin, mini-DIN connector

Internal FAX/Modem

V.32bis, V.32 modem, 14.4 K/bps, Hayes AT command sets, V.42/MNP2-4/MNP 5, Group III FAX, 14.4 K/bps Class 1 and 2

System Dimensions

Height	2.2 in. (55 mm)
Width	12.75 in. (323 mm)
Length	11.18 in. (283 mm)
Volume	0.18 cu. ft. (.005 cu. m)
Weight	8.5 lbs. (3.9 kg)

Environmental

Altitude	0-10,000 ft. (0-3,408 m)
Operating	+50° to +104°F (10° to +40°C)
Storage	-4° to +140°F (-20° to +60°C)

Regulations

Safety: UL 1950, CSA 950, EN 60950
RFI/EMI: FCC B, EN55022/EN55101, VDE-B
FAX/modem: FCC Part 68, DOC CS-03, JATE

Power Management, Battery Information

Programmable display blanking

NiCad battery pack	5 Amp-hour capacity
Run Time	1.5 hours in continuous use
Recharge Time	3 hours charging only

Low battery sensing

AC Adapter Charger

Automatic voltage and frequency sensing

Voltage	85-265 VAC
Frequency	47-63 Hz
Power Supply	54W continuous
DC output	12 Vdc @ 4.5A
Length	6.5 in. (165 mm)
Width	3.15 in. (80 mm)
Height	2.16 in. (54 mm)
Weight	1.23 lbs. (.56 kg)
AC cord	NEMA 15P 3-prong grounded plug, 3.3 ft. (1 m)
DC cord	polarized male connector, 3 ft.
Safety	UL 1950, CSA 950, EN 60950

Other Standard Features

Time-of-day clock with separate battery backup

Nylon carrying case

Docking Station Feature allows connection of desktop peripherals such as external color monitor and Sun-4™ or 5 external keyboard.

Simultaneous display capabilities with connection to VGA resolution external monitor or projection panel on 640 model

[1] Figures based on publicly available SPEC CPU integer benchmark suite, SPECint92, which measures integer compute performance. Results are based on Sun SC1.0 and KAP compilers.
[2] Based on the publicly available SPEC CPU floating-point benchmark suite, SPECfp92, which measures floating-point compute performance. Results are based on Sun SC1.0 and KAP compilers.
[3] 3rd 340 MB hard disk drive replaces the floppy disk drive.

Specifications subject to change without notice.

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