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Tadpole® VM2100s Mobile Server/Workstation

UltraSPARC® Based Portable Server for Rapid Deployment of Solaris™ Applications



Overview

General Dynamics offers the Tadpole® VM2100s Mobile Server/Workstation as a workstation replacement or as a portable server. The Tadpole VM2100s fits into a fraction of the space of alternative solutions making it ideal for users that need to rapidly deploy mobile networked computing solutions to the field. Security, flexibility, affordability and speed make it the perfect solution. This network server is small and light enough to be hand carried for military or disaster recovery situations. It has the capability to run Solaris™ and Windows® applications on the same machine while simultaneously providing secure network access to multiple security domains. Available with dual UltraSPARC® processors running the Solaris™ operating environment and optional integrated AMD all-in-one computer for Windows or Linux applications. When it's time for a fully deployable and mobile network server that stands up to your most demanding field conditions, choose the Tadpole® VM2100s by General Dynamics.

Features:

- (1) or (2) 64-Bit 1.6GHz IIIi UltraSPARC® Processors
- Up to 16GB ECC DRAM (8GB per processor)
- Dual, removable, 2.5" High Performance Hard Disk Drives
- 100% Binary Compatible with any of the 13,000 Solaris™ Technical Computing and Enterprise Class Applications
- 19" SXGA (1280 x 1024)
- Integrated Windows®/Linux® Co-Processor
- (3) Copper Segregated Gigabit Ethernet Ports
- (1) Full Height/Full Length PCI 64-bit, 66MHz Expansion Slot
- (1) Half Height/Full Length PCI 64-bit, 66MHz Expansion Slot
- (2) PCIe x4 (x8 physical) Low Profile Expansion Slots
- (2) PCMCIA/CardBus Slots
- (5) USB 2.0 Ports (4 front, 1 rear)
- (1) Fast/Wide SCSI Ports
- (1) Asynchronous Serial Port
- (1) Synchronous/Asynchronous Serial Port
- Optical Drive
- Integrated Keyboard/Track Pad

Options:

Battery Pack - supports operation up to 30 minutes during power loss

Hour Meter

Optional Windows®/Linux® Co-Processor

Optional Quad Ethernet Adapter with Four Copper Independent Gigabit Ethernet Ports

Optional Transit Case

Optional Rail Kit for Rack Mounting

GENERAL DYNAMICS
C4 Systems

Tadpole® VM2100s Mobile Server/Workstation

TECHNICAL SPECIFICATIONS

HARDWARE

Processor:	(1) or (2) 1.6GHz UltraSPARC® IIIi Processors
Memory:	1GB – 8GB per CPU (Up to a Total of 16GB
Display:	19" SXGA (1280 x 1024) LCD (VM2100s only)
Networking:	(3) Segregated Gigabit Ethernet Ports via RJ45 Connectors
USB:	(5) USB 2.0 Ports (4 on front, 1 on rear)
Serial:	(1) Synchronous RS-232C Serial Port
	(1) Asynchronous Serial Port via DB-25 Connector
	(1) Asynchronous Serial Port via DB-9 Connector (VM2100s or VM2100s only)
Audio:	16-bit Audio, (2) 3.5mm Audio Jacks Microphone-In/Headphone-Out
Video:	(1) CRT/VGA Port via HD-15 Connector
SCSI:	(1) 68-pin Fast/Wide SCSI Connector
Graphics:	XVR100 Compatible (VM2100s)
	- 24- bit Color
	- Up to 1920 x 1200 Resolution @ 75 Hz
	PGX64 Compatible (VR2100s)
Hard Disk Storage:	
	(2) Removable 2.5" IDE or SATA Disk Drives (170GB, 500GB) with Total Disk Capacity up to 1TB with (2) 500GB SATA Disks Optional Solid State Disks for VR2100 VR2100s
Optical Drive:	Integrated DVD±RW (Single Layer)
PCMCIA/PCCARD:	
	(2) Type II PCCard/PCMCIA Slots
Expansion Slots:	
	(1) PCI Slot - Full-Length/Full Height, 64-bit/66MHz
	(1) PCI Slot – FullHalf-Length/Half Height, 64-bit/66MHz
	(2) PCIe x4 Slots (x8 Physical) Low Profile Expansion Slots
Keyboard/Mouse:	
	103-key, Full Size keyboard with numeric keys, Glidepoint Touchpad with 3-button mouse
Battery:	Battery Pack Option
AC Power Adapter:	
	Input 100-240V AC, 50/60 Hz +/- 10% Universal Adapter
Security:	Kensington Lock Attachment
Size:	(L)14.5" x (W)17.5" x (H)6.25"
Weight:	36.5 lbs

SOFTWARE

Solaris™ 8 or 9 Operating Environment with StarOffice 7.0 or Solaris™ 10 with JDS 3.0

ENVIRONMENTAL

TEMPERATURE

Operating:	5°C - 40°C (41°F - 104°F)
Storage:	-20°C - 60°C (-4° - 140°F)

HUMIDITY

Operating:	20% - 80% RH, Non-Condensing; 27°C wet bulb
Storage:	93% RH, Non-Condensing; 35°C wet bulb

ALTITUDE 0 – 40,000ft (0 – 12,000m)

REGULATORY COMPLIANCE

Safety, Emmissions Immunity and Country Certifications

Compliance: ANSI/UL 195060950-1, CSA 22.2 No. 950, FCC Class A, CE (EN55022)

GENERAL DYNAMICS
C4 Systems

DoD Inquiries: govtsales@tadpole.com • www.gdc4s.com/tadpole • Toll Free: 1-888-237-6536 • Fax: 703-729-1615
Commercial Inquiries: Sales@tadpole.com • Toll Free: 1-800-734-5483 • Fax: 703-729-1615

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