HP POS rp5000
Point-of-Sale System

Best of Both Worlds

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Best of Both Worlds

Feature	Proprietary POS	Desktop PC POS	HP rp5000
Retail hardened design	√		√
Integration with existing powered peripherals	√		√
Capability for next-generation powered USB peripherals	√		√
Long purchase lifecycle	√		√
Embedded operating system to lock-down POS device	√		√
Low purchase price		√	√
Rapid development and deployment		√	√
Easy integration with back-office systems		√	√
Power to drive rich multimedia app's		√	√
Reduced long-term support and maintenance costs		√	√
Designed for new browser-based app's		√	√

rp5000 Point of Sale System

- Retail-hardened construction
- Extensive connectivity for POS peripherals with numerous serial and USB ports (powered and un-powered)
- Five (5) year purchase cycle to support long customer roll-outs
- Tested with leading POS peripherals (bar code scanners, receipt printers, etc.
- Features Microsoft XP Embedded, Windows 2000 & XP Pro

rp5000 - Secured for Retail

- Physical security includes:
  - Kensington lock support
  - Lock loop
- BIOS security features:
  - Password Security thru BIOS – harder to defeat due to secure hashing algorithms
  - Power-On Password – prevents unauthorized user from booting PC
  - Setup password - prevents unauthorized user from changing system config
  - Removable media write/boot control - prevents system from being booted from removable media and can disable ability to write to media
  - Serial, Parallel, USB enable/disable – ability to disable any of these ports
  - Memory change alerts – protects physical asset by notifying management console when memory is changed or removed
- Surge Tolerant Full Ranging Power Supply
  - Hardened for the Retail Environment
  - Supports power for 4 powered Serial and 4 powered USB ports
  - Withstands power surges up to 2000V

rp5000 – Hardened for Retail

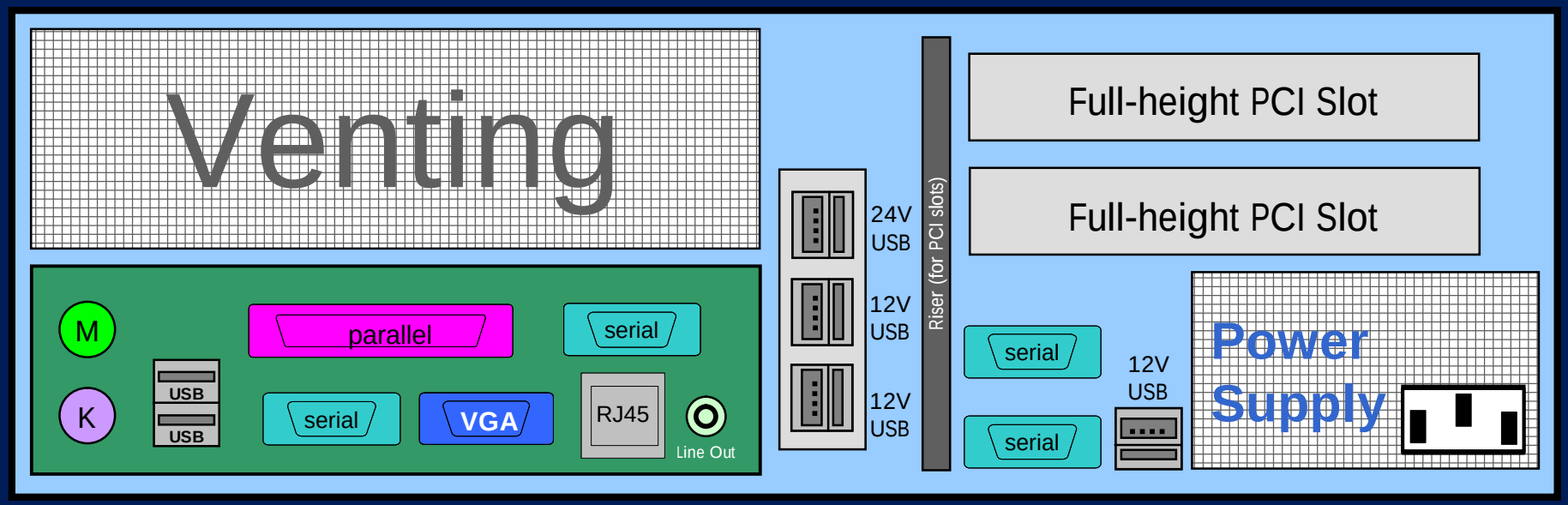
- Designed for Extreme Operating Environments
  - Expanded airflow design and cooling for environment control
  - Thermal monitoring and alerts.
- POS chassis and power supply designed for the retail environment
  - Steel construction for harsh environments and protection
  - Designed to keep dust, crumbs, and other retail environment hazards from affecting operation
  - Support for powered peripherals, surge protection, and cable management to eliminate the mess of power bricks under the counter.
- Connectors are recessed to provide added protection
  - Include locking mechanisms so that cables cannot be pulled accidentally.

rp5000 - Hardened for Retail - Continued

- SMART Hard Drives, Fault Notification, & Prefailure Warranty
  - Allows hard drives to monitor their own health and to raise flags if imminent failures were predicted. Predicts failures before they occur.
  - Through software such as HP OpenView, these alerts can be monitored to optimize service calls, eliminate redundant visits, and minimize downtime.
- Proactive Backup
  - Initiates an automatic backup of the computers SMART hard (to a local tape device for example) when an imminent failure is predicted
  - Prevents data loss and end-user down time due to a failing hard drive
- Ultra ATA Integrity Monitoring (CRC Checking)
  - Provides data transfer verification.
  - Provides proactive notification of hard drive data transmission problems and recommendations for enhancing system performance
  - Detects all the following errors types: single bit errors, double bit errors, odd number of errors and error bursts up to 32-bits long

Connectivity & Flexibility

Extensive connectivity allowing re-use of existing peripherals, popular existing powered and un-powered serial devices as well as future powered USB plug-n-play devices



- All serial ports are powered (5V & 12V) and can be re-configured to standard RS-232 via system board jumpers
- All powered USB ports can also be used as standard USB 2.0 ports

Feature Comparison

Feature	IBM		HP
	SurePOS 300	SurePOS 700	RPOS
Processor	VIA C3 866 MHz	Celeron 500 MHz or 850 MHz	Celeron 2.0 GHz or P4 2.0 GHz
Memory	128 MB std., up to 512 MB max.	32, 64 or 128, up to 512 MB max.	128MB std, up to 2 GB max.
Grpphics Output	VGA	VGA & DVI	VGA (dual monitor & DVI optional)
Graphics Memory	4 MB std., 8 MB optional (configurable UMA)	4 MB	8 MB std., up to 64 MB dynamic allocation
Serial (powered)	2	0	4
Serial (std)	2	2	0 (one powered port user-configurable to standard)
USB (12V powered)	0	5 or 7	3
USB (24V powered)	0	1	1
USB (std)	4	0	2
Cash Drawer (24V)	0	2	0
Parallel	1	1	1
Slots	1 half-height PCI	1 or 3 half-height PCI	2 full-height PCI
Storage	None, 128 MB Flash, 40 GB HDD	None, 20 GB HDD	None, 128/256 MB Flash, 40 GB HDD
HDD bays	1	2	2
Optical	None	Optional CDROM or DVD	Optional CDROM or DVD
Floppy	None	1 optional (in place of 2nd HDD)	1 optional (in place of 2nd HDD)
NIC	10/100 ethernet	10/100 ethernet	10/100 ethernet
PS/2	Mouse & keyboard	Keyboard	Mouse & keyboard
Audio	Headphone & mic	None	Line out / Headphone
Power Supply	?	250W or 370W	175W
Battery Backup	None	Optional or standard	None
Operating Systems	DOS, Win 98, NT 4.0, 2K, XP Pro, XP Embedded, Linux	4690 OS V2, Win 98, 2K, XP Pro or Linux	Win XP Embedded
Drivers	OPOS 1.5.0, Java POS 1.5.1	OPOS 1.5.0, Java POS 1.5.1	OPOS 1.5.0
Dimensions (WxDxH)	11.8" x 8.5" x 3.6"	12.5" or 17.2" x 18.25" x 3 - 5.25"	13.3" x 15.1" x 4"
Weight	8 lbs.	18 - 35 lbs.	~20 lbs.
System Management	WfM 1.1, PXE 2.0, SMBIOS 2.3, WOL	WfM 1.1, PXE 1.1, SMBIOS 2.3, WOL	WfM 1.1, PXE 1.1, SMBIOS 2.3, WOL
Power Management	APM 1.2, ACPI 1.0	APM 1.2, ACPI 1.0	APM 1.2, ACPI 1.0
Warranty	One year onsite	One year onsite	Three years onsite

Why choose HP POS?

- Best of Both Worlds – Retail Hardened POS at a PC Price
- Open, standards-based architecture allows for retailer flexibility
- Lower initial acquisition cost and long term total cost of ownership
- Multi-partner solutions are offered through a single, accountable global relationship with HP to lower risk and provide maximum responsiveness.
- HP's end-to-end solutions are pre-tested and configured in close collaboration with industry-leading ISVs, enabling the customer's choice of application to be deployed more quickly and at low risk.
- HP global services retail practice can integrate new solutions with customers' legacy system to extend their useful life, rather than "rip and replace."