

WITHDRAWN

 **StoreNext**

Product Bulletin

TeamPoS 3000 XL Point-Of-Sale Terminal

MB-POS-1219-Issue 1.1

January 3, 2008

StoreNext is pleased to announce the availability of the TeamPoS 3000 XL POS terminal.

The philosophy of the TeamPoS 3000 XL was to build the finest POS terminal that current technology can offer:

No-Frills Summary

The TeamPoS 3000 XL is the best, no-hold-barred POS terminal, replacing the TeamPoS 2000 "M" at the top of the Fujitsu terminal line.

- The XL provides the ultimate in reliability, performance and maintainability — and at lower prices.
- "USB" and "Combo/Legacy" versions are available, differing only in the I/O setup.
- StoreNext software development and compatibility is focusing on the P-USB interfaces going forward. But many legacy peripherals will also be supported.
- Newer releases of ISS45 and ScanMaster are required for the operating system, OPOS and peripheral driver support.
- Check the StoreNext Dealer Support Web site Compatibility Matrix Pages for the latest information.

- **A true retail-specific terminal with "Wintel" technology** — these are true POS terminals, not repackaged PCs, and everything about this hardware is focused on meeting heavy-duty retail requirements. Like RAM with exclusive error checking and correction, built-in RAID-0 and RAID-1 support and battery backup. It does *retail*: nothing else matters.
- **Fujitsu reliability** — TeamPoS 3000 XL is designed for high duty cycles in the toughest retail environments — and your customers who are used to Fujitsu's amazing quality will be even happier with the XL. They'll get full ECC RAM, specially-specified SATA drives (and with tougher reliability than standard laptop models), powered interfaces, cable management, proper stacking and a POS design that works in real stores.
- **Performance** — the ultimate in processing performance with "M-class" Pentium and Celeron CPUs, high-end 855GME chipset, a 400MHz front-side bus, dual data rate RAM and Intel Extreme Graphics video.
- **Long-run life cycles** — provides rollout and evaluation consistency with years-long production cycles — and easy upgrades for legacy and future components and interfaces.
- **Maintainability and upgradability** — even a store manager can handle depot maintenance now. And for component-level repairs in the terminal, your own service people don't even have to move, un-stack, or un-cable the terminal — the XL gives them open front-panel access and zero-insertion-force components. Plus, you can overhaul the entire I/O and peripheral philosophy down the road with inexpensive I/O panel swap-outs.



The TeamPoS 3000 XL supports the same new/current peripheral set as the TeamPoS 3000 XE as well as most of the TeamPoS 2000 and legacy peripherals.

This bulletin provides an overview of the TeamPoS 3000 XL. Pricing and configuration details are provided in the TeamPoS 3000 Configuration Bulletin (MB 1220).

To Your Success,


Antony van Seester

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TeamPoS 3000 XL Overview

The TeamPoS 3000 XL was designed to be the best-ever POS terminal, regardless of whether performance, features, flexibility, maintainability, future-proofing or support is considered. The TeamPoS 3000 XL was designed using the top grade of industry-standard components to across-the-board excellence and ensure investment protection and long-term support. The TeamPoS 3000 XL is ideal for retailers that want the very best – but don't mind paying just a little less than they originally thought.

What Software Works With It?

STORENEXT SOFTWARE SUPPORT

The standard TeamPoS 3000 XL is designed to drive peripherals using powered USB. P-USB offers the highest peripheral data speeds while providing the greatest simplicity for installation, service and reliability. Full support of the USB peripherals requires updated software.

StoreNext's Winter and Spring 2007 software releases fully support the USB version via accommodation of a new OPOS driver set for USB. These releases include ISS45 7.1.2.0, ISS45 8.1.2.0 and ScanMaster 2.4.1.¹

- Support of most – but not all USB peripherals – is available starting with ISS45 7.1.1.1-100 and 8.1.1.1-100 releases. ScanMaster versions prior to the 2.4.1 Winter Release are not compatible and there are no current plans to certify them.

A “Combo/Legacy” version of the TeamPoS 3000 XL is compatible with some earlier POS releases and provides support for peripherals with RS-232 interfaces while providing some (non-powered) USB support.

For current compatibility and certification information, check the [Compatibility Matrix Pages](#) on the StoreNext Dealer Support Web site.

OPERATING SYSTEMS

StoreNext has moved to the Microsoft Windows embedded for POS (WePOS) with all TeamPoS 3000 versions, including the XL. WePOS provides several advantages over previous embedded-style operating systems such as XPe – including upgrade capability for the operating system without having to start from scratch with a clean disk.

WePOS comes pre-loaded with each XL as shipped. No TeamPoS 3000 XE or XL media, drivers, or support will be available for any other operating systems: there is no NT, Windows 95, Windows 2000 or Windows XP support for the TeamPoS 3000 XL or XE.

What Does It Look Like?

The TeamPoS 3000 XL can be ordered in either black or white cabinetry. In general, StoreNext will stock the black version for new system shipments with P-USB interfaces, and the white colors will be used with the “Combo/Legacy” version with powered RS-232 support for slice and system upgrade requirements.

¹ The 2.4.1 release with TeamPoS 3000 support immediately followed and replaced the ScanMaster 2.4.0 Winter Release, providing TeamPoS 3000 support.



The TeamPoS 3000 XL is available in either “Standard” or “Compact” chassis designs. The “Standard” is preferable for stacked/integrated configurations since this matches the standard-sized TP15 cash drawer, although the TP5C compact drawer is also available for stacking with the compact chassis versions.

TeamPoS 3000 series products are designed to look good in retail environments. Cable management conceals the interface wires, with only one power connection and cable connection to Ethernet being required.

Special UV protection coating provides consistency of color throughout the whole platform as years go by. UV-inhibited plastics are used where the effects of sunlight may discolor the plastics over time.

What Hardware Works With It?

The TeamPoS 3000 XL is provided in two primary models, defined by their different I/O port configurations. They are otherwise the same except for the port setup.

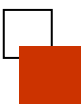
- Both TeamPoS 3000 XL versions provide the “Standard I/O” port panel, supporting many interfaces and devices.
- The “**P-USB**” version provides powered USB ports in addition to the Standard I/O panel. Any P-USB connector on the TeamPoS I/O panel can also be used with non-powered standard USB cabling by simply using a standard non-powered “A” male connector on the cable end with the P-USB port on the panel – this physically by-passes the power pins on the P-USB port.
- The “**Combo**” or “**Legacy**” version accommodates more RS-232 peripherals in addition to the I/O provided on the “Standard I/O” panel.
- A “**COM Option Kit**” is also available separately that can augment the Legacy/Combo panel, providing still more RS-232 ports if desired. This kit does *not* work with the P-USB version.

TEAMPOS 3000 XL STANDARD I/O

The “Standard I/O” is provided with all TeamPoS 3000 XL slices, and it provides:

- 1 x DVI – for the primary display (digital LCD)
- 1 x Analog – for a VGA or secondary monitor
- 1 x 24V powered USB – for a P-USB printer
- 2 x COM ports – serial RS-232 male DB9 which are designed for 5VDC ²
- 2 x standard USB ports – rear panel, accepting “A” USB connectors
- 1 x cash drawer connector – supports up to two (2) cash drawers via “Y” cable
- 2 x PS/2 keyboard and mouse – rear panel
- 2 x standard USB ports – *front* panel, accepting “A” USB connectors
- 2 x audio – Line in and Line Out

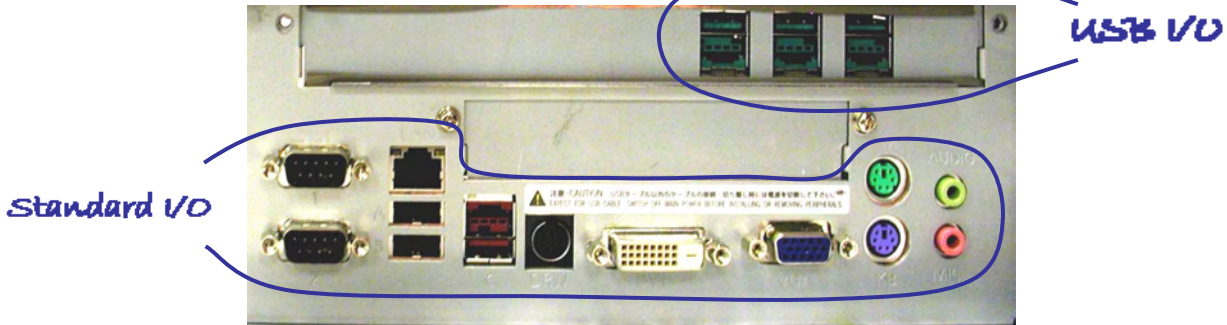
² Technically, these ports can be jumpered to support either 5 or 12VDC. However, this is risky since they are indistinguishable and both use male DB9 connectors. Most 5VDC interfaces will burn up if plugged into a port set to 12VDC. TeamPoS 3000 is shipped with all jumpers set to 5VDC and the 12VDC option, while technically available, is not supported by StoreNext or Fujitsu.



TEAMPOS 3000 XL P-USB I/O

This panel provides the following ports on the “USB” version in addition to the Standard I/O. This is the standard version for new sites:

- 3 x 12V P-USB – for all 12V P-USB applications including 92U keyboard, D22/D25 touch data, Hypercom PIN pads etc.



TEAMPOS 3000 XL COMBO/LEGACY I/O

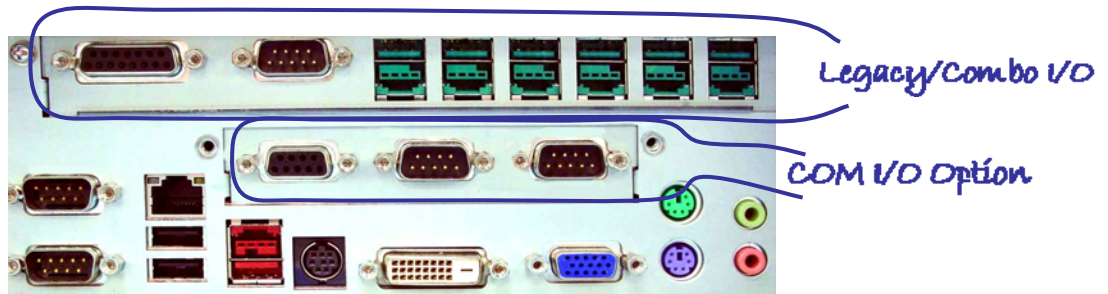
This panel provides the following ports on the “Legacy/Combo” version in addition to the Standard I/O panel. This is the version typically used for upgrading existing stores while retaining current peripherals:

- 1 x 24V RS-232 – DB15 port for serial printer powered interface³
- 1 x 5V/~~12V~~ RS-232 – DB9 port
- 6 x 12V P-USB – 12 VDC powered USB ports

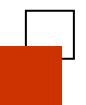
TEAMPOS 3000 XL COM OPTION KIT

This optional kit can be added to the “Legacy/Combo” I/O panel to provide more serial/COM ports. This kit will not operate without the Legacy/Combo panel in place:

- 2 x RS-232 – DB9 male serial ports, 5VDC ~~or 12 VDC~~
- 1 x RS-232 – DB9 female serial port, 24VDC



³ With this port, the TeamPoS 3000 XL therefore has multiple powered ports for 24V printers – one on the Standard I/O panel plus this one on the Legacy/Combo card. *Only one of these can be used – the TeamPoS 3000 XL does not provide power to both these ports simultaneously.*



PERIPHERAL SUPPORT

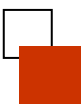
The TeamPoS 3000 supports retail peripherals that are color and style compatible with the TeamPoS 3000 control unit and can be stacked on the control unit and/or cash drawer to form an integrated unit.

- StoreNext is first releasing USB peripheral support under OPOS driver sets, and is proceeding to certify legacy terminals with selected legacy components as well. Check the Compatibility Matrix pages on the StoreNext Dealer Support Web site for currently supported peripherals for both ScanMaster and ISS45.
- The new TP15 cash drawer is being introduced, featuring with media trays, coin inserts and till covers consistent with the Fujitsu TP10 cash drawer. The TP15 is supplied with one media tray including a six-coin tray.
 - The TP5C compact cash drawer is also supported. This drawer fits the stacking requirements of the compact chassis. However, be aware that this drawer supports only one horizontal note bin, plus three vertical notes. Its eight coin bins are adjustable.
 - Cash drawers are normally fired from the dedicated cash drawer port on the TeamPoS 3000 XL which provides specific firing of two different cash drawers through the same connector (see below). Cash drawers may also be fired from the printer if desired, in which case a printer→cash drawer cable must be ordered.
 - The TeamPoS 3000 XL supports dual cash drawer configurations through the use of “Y-cables,” available in multiple lengths. The Y-cable is the only cable required to support both drawers - no extensions or additional cables are needed.
 - Please note that the connectors on the TP15 and TP5C cash drawer cables are *not* compatible with the former TP10 cash drawer cables. Use of the TP15 or TP5C will require the newer cable design.
- New D22 and D25 displays replace the D12 (12” touch) and D15 (15” touch) respectively. The D22 and D25 use the same Elo driver sets, simplifying setup and configuration. The D22 and D25 each support VGA/analog or DVI interfaces.
- The TeamPoS 3000 XL provides both a DVI and a standard VGA port, enabling connection of two touch screens, flat panels or CRT monitors. Note that the XL does *not* provide support for DFP interfaces, including the former Fujitsu D12 flat panel displays.

Regarding the mix of the peripheral support with the POS software:

- ISS45 8.1.2.0, ISS45 7.1.2.0 and ScanMaster 2.4.1 provide *full* USB support, including the 92U keyboard, VF50U 2x20 customer display, Datalogic (PSC) scanner/scales, the D22 and D25 touch screens (touch logic) and TeamKey, TPG A776 and A794 printers and Epson 6000 printers, and Hypercom L4250, L4100 and L4150⁴ terminals equipped with USB and P-USB interfaces. The D15 display is also supported.
- USB support for all peripherals *except* the Datalogic (PSC) scanner/scales and the TeamKey options for the D22/D25 is available on current ISS45 7.1.1.1 and 8.1.1.1 releases, and with ISS45 7.1.1.1-100 and ISS45 8.1.1.1-100, full USB support is provided including that for PSC/Datalogic and TeamKey. Users can currently employ an XL’s COM port for connecting the PSC/Datalogic scanner/scales.
- Port configurations and drivers for the TeamPoS 3000 XL’s Legacy version operate much the same as with ISS45 and ScanMaster today on the TeamPoS 2000 terminals. This enables dealers to employ the XL with earlier releases of ISS45 and ScanMaster and/or with RS-232 peripherals.

⁴ Release of the Hypercom L4150 is scheduled for Q1 2008. The L4100 will not be sold after 2007.



What's Inside the Box?

THE TEAMPOS 3000 XL CPU LINEUP

Several Intel “M” Processors are available with the TeamPoS 3000 XL. All use the latest Intel technology to minimize power consumption⁵ and the 400MHz Front-side bus is the fastest available on a dedicated retail-technology terminal.

- The Celeron M 1.3GHz is the standard model
- The new Celeron M 1.5GHz provides a full 1GB of level-two cache – giving it essentially the same performance as the former Pentium M 1.6GHz CPU. StoreNext is releasing the TeamPoS 3000 XL with the 1.5, offering superior price/performance.
- A new Pentium M 2.0GHz is also available for the highest performance.

THE MOTHERBOARD

- Two RAM slots support up to 2GB of system RAM. Configurations are all shipped with a single DIMM slot employed – so you can add another TeamPoS 3000 XL DIMM – regardless of size – without having to match the first DIMM’s capacity.
- The board employs the high-end Intel® 855GME chipset, supporting ECC RAM.
- The architecture of 400MHz FSB, Dual Channel DDR 400 and Intel Extreme Graphics Engine 2 provides UXGA support for native resolutions up to 1600x1200.
- Serial ATA interface: serial ATA is the next generation ATA specification that provides scalable performance for today and the future. Its 150MB data transfer rate is faster than current Parallel ATA, while providing 100% software compatibility. The Serial ATA function is integrated to provide superior I/O performance and data protection.

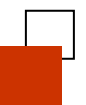
DISK AND RAM, STORAGE CAPACITY

- Disk: the TeamPoS 3000 XL accommodates two SATA 2.5” hard drives (currently shipping ~~40GB or~~ 80GB ~~depending upon model~~). Additional storage devices can be added as options including a CDR or CDRW/DVD.
- RAM: the TeamPoS 3000 XL supports full error checking and correction (ECC) – unique among POS terminals – for maximum data and system reliability. The XL also employs dual-channel DDR 400 333MHz memory architecture with double the bandwidth of standard system memory and out-performing existing memory. 256MB or 512MB shipped standard depending on model ordered, expandable to 2GB via 2 x 184-pin DIMM slots (capacity matching not required).

POWER SUPPLY UNIT (PSU)

The power supply is internal to the control unit, providing power to the control unit and peripherals. The DC output power is 270 watts maximum for the PC board and POS I/O board functions (note that the Celeron and Pentium M designs draw less than 1/3 the power of the Celeron D CPU). The XL power supply is auto-sensing for 110 or 220 VAC power

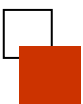
⁵ SpeedStep is supported on the XL with Pentium M processors.



TeamPoS 3000 XL Specifications

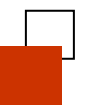
SPECIFICATIONS

Processors	Intel Celeron M 1.3GHz, Celeron 1.5GHz and Pentium M 2.0GHz
Core Chipset	855G
Integrated Ethernet	10/100 Mbps with wake on LAN
Integrated Audio	Sound Blaster compatible
Graphics/Video	Integrated video with up to 64 MB of shared memory DVI interface support Analog RGB display support (15-pin interface) UXGA up to 1600 x 1200 resolution
Memory	From 256MB to 2GB Error Correcting (ECC) memory, ECC support on board 2 x 184 pin DIMM slots Double Data Rate (DDR) 333 MHz memory
Award Bios	Support latest versions of APM, ACPI, WfM Boot from LAN Local and Remote Flash Password protected
Expansion Slots	1 x ½ height PCI slot 1 x mini PCI slot
Disk Support	Up to 2 SATA drives, 40GB or 80GB, RAID-0 and RAID-1 support on-board
Power Supply	100 to 240 VAC, 50/60 Hz, auto-sensing 270 Watts DC Output
Dimensions	Standard Chassis: 45.0 cm W x 46.5 cm D x 11.9 cm H (17.7 in.x 18.3 in.x 4.7 in.) Compact Chassis: 34.0 cm W x 46.5 cm D x 11.9 cm H (13.4 in.x 18.3 in.x 4.7 in.)
Operating System	Windows Embedded for Point of Sale (WEPOS)
Power Management	APM 1.2 ACPI 1.0
Color	Fujitsu Black or Fujitsu White



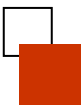
PORT BUDGET — TEAMPOS 3000 XL USB VERSION

TeamPoS 3000 XL USB Version		
Port	Typical Use	Alternate Use
12V P-USB 1:	Touch Data and power for D22/D25/D15	
12V P-USB 2:	92U Keyboard or VF60U 2x20 display	
12V P-USB 3:	PIN Pad (Hypercom P-USB)	
DVI:	DVI Clerk Display (D22/D25/D15)	
VGA:	Shopper Display	
Cash Drawer:	Cash Drawer	
24V P-USB:	Printer with Powered USB	
LAN:	TCP/IP	
Rear Panel USB 1:	Scanner Scale (PSC/Datalogic)	Touch for Second Display
Rear Panel USB 2:	Optional TeamKey/MSR I/O	
COM1 (DB9, 5V):		PIN Pad (with serial interface)
COM2 (DB9, 5V):		Scanner/Scale (with serial interface)
PS/2 Keyboard:		
PS/2 Mouse:		
Audio Line In:		
Audio Line Out:	D22/D25/D15 Audio	
Front Panel USB 1:		
Front Panel USB 2:		



PORT BUDGET — TEAMPOS 3000 XL LEGACY/COMBO VERSION

TeamPoS 3000 XL Legacy/Combo Version		
Port	Typical Use	Alternate Use
12V P-USB 1:		New Touch and power for D22/D25
12V P-USB 2:		New 92U Keyboard
12V P-USB 3:		New PIN Pad (Hypercom P-USB)
12V P-USB 4:		New VF60 2x20 Shopper Display
12V P-USB 5:		
12V P-USB 6:		
COM3 (DB15, 24V):	Printer with Powered RS-232	
COM4 (DB9, 5V):	Scanner/Scale (serial i/f)	Serial-powered Hand-Held Scanner
DVI:		New Clerk Display with DVI i/f
VGA:	Clerk Display	
Cash Drawer:	Cash Drawer	
24V P-USB:		New Printer with Powered 24V P-USB
LAN:	TCP/IP	
Rear Panel USB 1:		New Scanner Scale (PSC/Datalogic)
Rear Panel USB 2:		New Optional TeamKey/MSR I/O
COM1 (DB9, 5V):	PIN Pad (serial i/f)	
COM2 (DB9, 5V):		
PS/2 Keyboard:		
PS/2 Mouse:		
Audio Line In:		
Audio Line Out:	D22/D25/D15 Audio	
Front Panel USB 1:		
Front Panel USB 2:		
TeamPoS 3000 XL Legacy/Combo Optional COM I/O Port Kit		
COM5 (DB9-F, 24V):	92R/92M/92U Keyboard	VF50 2x20 Shopper Display
COM6 (DB9-M, 5V):		
COM7 (DB9-M, 5V):		



SALES MATERIALS AND DOCUMENTATION

StoreNext is providing the following documentation, which can be found on the StoreNext Dealer Support Web site.

Dealer Information

- Marketing Bulletin 1016 (D22 and D25 Displays)
- Marketing Bulletin 1017 (VF60U - TeamPoS Display)
- Marketing Bulletin 1018 (TeamPoS 3000 XE)
- This Marketing Bulletin (1219)
- Marketing Bulletin 1020 (TeamPoS 3000 Configuration and Pricing)

SALES AND COLLATERAL MATERIALS

- TeamPoS 3000 Presentation
- TeamPoS 3000 XE Information Sheet
- TeamPoS 3000 XL Information Sheet
- TeamPoS 3000 Peripherals
- TeamPoS 3000 XE / XL Comparison Information Sheet

TECHNICAL DOCUMENTS AND INFORMATION

- TeamPoS 3000 XL Support Planning Guide
- TeamPoS 2000 XL Installation Guide and Maintenance Manual
- TeamPoS 3000 XL Installation with ISS45
- TeamPoS 3000 XL Installation with ScanMaster
- Software technical bulletins as required
- Hardware technical bulletins as required
- Hardware/Peripheral/Software/Platform compatibility matrix (StoreNext Dealer Support Web site)

UTILITIES AND DRIVERS

- Available from the Software Support Page on the StoreNext Dealer Support Web site.

