

Update Bulletin

512MB Memory Requirements and .NET Support

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For some time, StoreNext has shipped terminals from Fujitsu and IBM using 256MB of RAM. StoreNext is changing to a standard of 512MB for its current terminal products to meet new and future requirements of updated Microsoft platforms.

The change to 512MB RAM configurations will not result in pricing changes to any of the terminal items or packages.

CUTOVER TIMING FOR TERMINAL SHIPMENTS WITH 512MB RAM

StoreNext's cutover in shipments of IBM and Fujitsu terminals to 512MB RAM will take place as follows:

- StoreNext's shipments of IBM SurePOS 500 and SurePOS 700 terminals have already been equipped with 512MB RAM for some time.
- StoreNext's shipments of IBM SurePOS 300 have been with 256MB RAM. This will be changing to a base of 512MB RAM for future orders effective immediately.
- StoreNext's shipments of TeamPoS 3000 XL have already changed to 512MB RAM. Such shipments began (configuration-dependent) prior to June 1, 2009 and most or all TeamPoS 3000 XL shipments since June 1 were equipped with 512MB RAM.
- StoreNext's shipments of TeamPoS 3000 XE are being changed to 512MB RAM. This will take place when Fujitsu's current inventory of 256MB RAM units is exhausted: this is expected to occur at some point in the coming two or three weeks depending upon shipment quantity.

MICROSOFT PLATFORM REQUIREMENTS FOR .NET

The DataBar implementation in ISS45 and ScanMaster require the use of the .NET Microsoft platform. Depending upon the timing and source of an installation, the .NET platform may or may not be already installed on the PCs, servers and terminals in the store. Our experience is that most stores do not have .NET installed.

The current DataBar enhancements can use either .NET 2.0 or .NET 3.0. In the future, other enhancements and major sub-systems will probably require .NET 3.0. The interactions of .NET versions and the software and memory requirements are:

- Use of Microsoft .NET 2.0 requires a minimum of 256MB RAM when used with either ISS45 or ScanMaster at POS.
- Use of Microsoft .NET 3.0 requires a minimum of 512MB RAM when used with either ISS45 or ScanMaster at POS. The .NET 3.0 platform requires 256MB RAM by itself, not counting the additional RAM required for the operating system and applications.
- The above requirements are minimums. Performance of any POS application will likely improve with additional RAM installed above these minimum requirements.

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- Microsoft Windows 2000 can support .NET 2.0, but does not support .NET 3.0. *Do not attempt to install or run .NET 3.0 with Windows 2000.*
- Microsoft Windows XP, XPe and WePOS support .NET 2.0 and .NET 3.0.

ScanMaster and ISS45 Implementations with Microsoft .NET

SCANMASTER

- ScanMaster's DataBar feature as released in version 2.6.0 can run with either .NET 2.0 or .NET 3.0. The installation/upgrade routine for 2.6.0 installs Microsoft .NET 2.0. *No additional memory is required above 256MB RAM* with .NET 2.0 and ScanMaster although performance may be enhanced if more memory resources are available.

ISS45

- ISS45's DataBar feature as released in version 8.1.4.0 can run with either .NET 2.0 or .NET 3.0.
 - Dealers can manually install .NET 2.0 which is provided on the special .NET CD-ROM that was shipped in tandem with the 8.1.4.0 CD-ROM. *No additional memory is required above 256MB RAM* with .NET 2.0 and ISS45 8.1.4.0 although performance may be enhanced if more memory resources are available.
 - Dealers can also use this manual process to install .NET 3.0 from the .NET CD-ROM if desired. *If .NET 3.0 is installed, 512MB RAM is required.*
 - The .NET CD-ROM also provides an automated/intelligent installation routine that checks for the presence of .NET and will de-install .NET 1.1 and then install/upgrade the system all the way to .NET 3.0. *If this automated routine is employed, 512MB RAM is required.*
 - When ISS45 V7's DataBar release is completed in 7.1.3.1, the above requirements will apply.

Additional RAM to Upgrade Existing Terminals

RAM FOR IBM SUREPOS TERMINALS

Dealers needing to upgrade a 256MB RAM SurePOS 300 terminal to 512MB RAM should order:

PIN	Item	List Price	Dealer Net Price
IBM-4632	IBM Additional 256MB RAM for SurePOS 300 Model 4810	\$ 245	\$ 145



RAM FOR FUJITSU TEAMPOS TERMINALS

➤ TeamPoS 2000 terminals with the “H” or “A” board

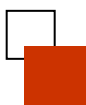
- TeamPoS 2000 terminals with the “H” or “A” board provided three (3) DIMM slots, each with a maximum of 256MB RAM.
- “H” and “A” board TeamPoS 2000s were shipped with ECC RAM. ECC RAM and non-ECC RAM can never be mixed on the same machine under any circumstances.
- Fujitsu has withdrawn all memory products for the “H” and “A” boards from new sale.
- It is possible that Fujitsu SupplyPoint has “H” and “A” board RAM available for purchase via its spare parts operation.
- The most recent (and final) memory module that Fujitsu validated for the “H” or “A” board was Samsung model M374S3323ITS-C7A00. Dealers may be able to locate this product from various suppliers.
- Dealers wishing to procure RAM via other sources need to copy the *exact part numbers from original equipment RAM originally shipped by Fujitsu*. Not all RAM, regardless of specifications, will work with the “H” or “A” boards, and there is a risk of random and intermittent lock-ups or failures that are virtually untraceable.

➤ TeamPoS 2000 terminals with the “M” board

- The “M” board terminal supplied two (2) DIMM slots, each with a maximum of 1GB RAM. The memory type is PC2100/2700 DDR (DDR 266/333).
- All “M” board TeamPoS 2000 terminals were shipped with ECC RAM. ECC RAM and non-ECC RAM can never be mixed on the same machine under any circumstances.
- Dealers wishing to procure RAM via other sources need to copy the *exact part numbers from original equipment RAM originally shipped by Fujitsu*. Not all RAM, regardless of specifications, will work with the “M” board, and there is a risk of random and intermittent lock-ups or failures that are virtually untraceable.
- Additional RAM for the TeamPoS 2000 with the “M” board can be ordered:

PIN	Item	Price	Inst	Maint
90000159K	Additional 128MB RAM Kit for Fujitsu “M” Series TeamPoS 2000 Terminals (field-installable)	\$ 149		
90000160K	Additional 256MB RAM Kit for Fujitsu “M” Series TeamPoS 2000 Terminals (field-installable)	299		

These controller piece/part items are discounted to StoreNext dealers at the applicable rate for TeamPoS terminal (pieces and parts).



➤ **TeamPoS 3000 XE and XL terminals**

- All TeamPoS 3000 XL and TeamPoS 3000 XE terminals have been shipped with ECC RAM. *ECC RAM and non-ECC RAM can never be mixed on the same machine under any circumstances.*
- The TeamPoS 3000 XL and XE motherboards provide two DIMM slots. On the TeamPoS 3000 XL and XE, the DIMMs do not have to be matched with respect to capacity.
- Additional RAM for the TeamPoS 3000 XE and XL is currently available from Fujitsu.
- Dealers wishing to procure RAM via other sources need to copy the *exact part numbers from original equipment RAM originally shipped by Fujitsu*. Not all RAM, regardless of specifications, will work with these POS terminals, and there is a risk of random and intermittent lock-ups or failures that are virtually untraceable.
- Order:

PIN	Item	Price	Inst	Maint
11000022K	TeamPoS 3000 RAM 256MB DDR, 168 pins, with ECC, non-buffered	\$ 125		
11000023K	TeamPoS 3000 RAM 512MB DDR, 168 pins, with ECC, non-buffered	214		
11000024K	TeamPoS 3000 RAM 1GB DDR, 168 pins, with ECC, non-buffered	270		

These controller piece/part items are discounted to StoreNext dealers at the applicable rate for TeamPoS terminal (pieces and parts).

