

Product Bulletin

Fujitsu D15 SmartPoS LCD 15" Flat-Panel Displays

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StoreNext Retail Technologies is pleased to provide the Fujitsu D15 displays. These 15" digital displays are designed and constructed specifically for the rigors of the retail grocery environment, and are optimized for ease of connection and use with Fujitsu's TeamPoS 2000 terminals.

The D15 provides touch-screen capabilities with a larger 15" screen. It also provides many important features that make it superior to off-the-shelf LCDs:

- The display can be configured to receive video signal either through its Digital Video Interface (DVI) or traditional VGA analog input. The D15 automatically detects which interface is attached.
- Touch versions are appropriate for both shopper and clerk displays.
- Both capacitive and resistive touch versions are available:
 - ◆ The *resistive* version is recommended for use as an operator display, and is retail-hardened and certified for 3 million touches in any location.
 - ◆ The *capacitive* version is available for extra heavy-duty use, such as for shopper touch displays since the display is designed to withstand some degree of abuse, such as a shopper attempting to operate the touch display with a pen or other instrument.
- USB interfaces are offered for the touch data, freeing up (sometimes) scarce serial ports. USB is required if touch, or the optional Keypad/MSR/Keylock or optional MSR will be used.
- Speakers are standard equipment and included in all D15 displays. Speaker volume can be adjusted via the D15's on-screen display (OSD) utility. Maximum volume is greater than the Fujitsu D12 LCD's optional speakers. Configurations with audio use the same audio cable as the D12 – these cables are ordered separately.
- The optional "TeamKey" 40-key pad/MSR/Keylock is substantially less expensive than the version available with earlier products. Installation is much simpler than with the D12/A12 and requires only minimal training — so it can be added during actual store installation as well as during initial staging. An optional MSR-only module is also available.¹
- Cabling and assembly for the D15 has been simplified to enable depot maintenance. For example, all cables plug into the D15's base for easy installation or service.²



¹ Please check the latest compatibility/driver information for ScanMaster and ISS45 systems on the [Product Compatibility Matrix](#) provided on the StoreNext Dealer Support Web site. At this writing, software compatibility of ISS45 and ScanMaster with the 40-key pad/MSR/Keylock is not complete.

- SmartPoS hardware manageability enables the D15 to operate in remote diagnostic environments — as is planned for the StoreNext Dealer Dashboard on Connected Services.
- Maximum/native resolution of the D15 is 1024 x 768.

The D15 is significantly more flexible with respect to configuration, power and installation options. Here are some configuration notes:

- USB is required for touch data. The standard configuration integrates both power and touch data into a single powered USB cable designed for use with the TeamPoS 2000 M terminal with the future “TeamCombo I/O” that provides powered USB ports as well as powered serial ports.
 - ◆ If powered USB is not available³ then a separate power supply can be used, offering two AC power cable options: (1) a standard 9’ power cable from an AC outlet to the D15’s power supply, or (2) a short cable to the D15’s power supply that plugs into the convenience power outlet of the TeamPoS 2000 M.
 - ◆ The size and brightness of the D15 display is greater than that of the D12, and so the TeamPoS 2000 can provide sufficient power for a single D15. For D15 configurations requiring more than one digital display the external power supply must be used for the D15.⁴
- An integrated stand is designed for use directly on to the TeamPoS 2000 M terminal slice, and a dispersed stand can be used for non-stacked applications such as a dispersed checker or shopper display configuration. Unlike with the 12” displays, the new D15 provides integrated cabling inside the stand from the display head down to the base of the stand. Cables then attach to the stand’s base. So one or the other of these stands — or the “in-counter mount” (see below) is *required* to enable wiring to the display.
- A special “In-Counter Mount” is available where custom check-stand or VESA physical mountings will be used. The In-Counter Mount attaches to the rear of the display head and provides both standard VESA mounting hardware and the necessary cable receptacles. The In-Counter Mount is *required* when neither the Integrated Stand nor the Dispersed Stand is being used.⁵

Additional information is available on the [SmartPoS LCD Data Sheet](#) from the StoreNext Dealer Support Web site.

Dealers may specify one of the six standard StoreNext D15 packages that StoreNext has configured to handle almost any D15 application requirement. And when installation circumstances require other configurations, dealers may order D15 components “a la carte.”

² The cable terminations are provided in either the integrated (90001067) or dispersed (90000823) stand, or the special in-counter mount (90001288) — so one of these three devices must be ordered with every D15 according to the counter configuration where it will be used.

³ For example, on the TeamPoS 2000 S terminal or the TeamPoS 2000 with Retail I/O. In the future StoreNext will release a “TeamCombo” I/O version of TeamPoS that provides both powered serial and powered USB ports.

⁴ The TeamPoS 2000 “A” or “M” can drive two Fujitsu D12/A12 displays, but if a D15 is being used in a dual flat-panel configuration, only one of the D15 or D12/A12 displays can be powered from the terminal. Use the D15’s power supply to power a D15 — generally this will be the shopper display.

⁵ This is because the D15 LCD display head itself has no sockets to plug in the cables from the POS terminal. So either the (1) integrated stand, (2) the dispersed stand or (3) the In Counter Mount is needed to provide these cable terminations.

STORENEXT D15 PACKAGES AND WHERE TO USE THEM

Six different D15 packages are currently available from StoreNext that cover all typical requirements. The optional D15 TeamKey or D15 MSR modules may be added to any of these packages.¹

- *Resistive Touch for Non-Powered USB, Integrated* – this package uses the resistive touch version and includes a D15 external power supply for use with terminals that do not supply powered USB ports. Video signal is via digital video. Cables are sized for integrated operation. This will be the commonly-used checker display package for the currently-shipping TeamPoS 2000 M-Class terminals⁶ that use the “Retail I/O” interface connection panel. (Package 45201/411.)
- *Resistive Touch for Non-Powered USB, Dispersed* – this package is the same as the 45201/411 package above, but provides the longer cables for dispersed configurations. This is also the package that will normally be used when the D15 is used for the shopper display in dual-display configurations — the TeamPoS 2000 terminal⁶ can power one flat-panel display if the D15 is being used, so the shopper display will typically use the D15 power supply. (Package 45201/413.)
- *Capacitive Touch for Non-Powered USB, Dispersed* – this package is the same as the 45201/413 package above, but uses instead the capacitive touch version of the display. Capacitive touch displays can withstand abuse (like those shoppers “touching” the screen with their ball-point pens) that will eventually damage even the best resistive touch panel. (Package 45201/513.)
- *Resistive Touch for Powered USB, Integrated* – this package uses the resistive touch version and includes powered USB cabling instead of the external power supply. This version can be used only if the terminal provides powered USB (e.g. TeamPoS 2000 M with the “TeamCombo I/O” to be released later.⁶ Cables are sized for integrated operation. This will become the commonly-used checker display package for the upcoming TeamCombo-equipped TeamPoS 2000 terminals. (Package 45201/401.)
- *Resistive Touch for Non-Powered USB, Dispersed* – this package is the same as the 45201/401 package above, but provides the longer cables for dispersed configurations. It will normally be used for the checker display in a dispersed configuration — not a dispersed shopper display (because the shopper display will almost always need the package with the external power supply). (Package 45201/403.)
- *Resistive Touch for Non-Powered USB, Integrated, Analog* – this package uses the resistive touch version and includes a D15 external power supply for use with terminals that do not supply powered USB ports. Cables are sized for integrated operation, and the package ships with an analog video cable instead of a digital video cable. This will be the commonly-used checker display package for the currently-shipping TeamPoS 2000 S terminals – the S-Class provides analog video, not digital. The “A-Board” TeamPoS 2000 (for example, the 566 or 1GH machines) also use this package since the DVI supported by the “A” TeamPoS 2000 is not compatible with the later D15. (Package 45201/423.)

⁶ Do *not* use a DVI cable configuration of the D15 for the earlier TeamPoS 2000 “A-board” machines (for example the TeamPoS 2000 566 and 1GH versions). The newer D15 supports a new version of the digital video interface (DVI) that is not compatible with the older “A” TeamPoS machines’ DFP interface. For “A-board” TeamPoS, use an analog configuration.

SUMMARY CHART

The table below describes the content and typical uses of the StoreNext D15 display packages.

Fujitsu D15 Display Package Configuration Summary					
Package PIN	Typical Use	Display Type	Video Signal	Power	Touch Signal ⁷
45201/411	Integrated Checker display with Retail I/O TeamPoS 2000 "M"	Resistive Touch	Digital/DVI	External P/S	USB
45201/413	Dispersed Checker or Shopper display with Retail I/O TeamPoS 2000 "M"	Resistive Touch	Digital/DVI	External P/S	USB
45201/513	Dispersed Shopper display with Retail I/O TeamPoS 2000 "M"	Capacitive Touch	Digital/DVI	External P/S	USB
45201/401	Integrated Checker display with TeamPoS 2000 TeamCombo "M"	Resistive Touch	Digital/DVI	Powered USB	USB
45201/403	Dispersed Checker display with TeamPoS 2000 TeamCombo "M"	Resistive Touch	Digital/DVI	Powered USB	USB
45201/423	Integrated Checker display with TeamPoS 2000 S-Class and TeamPoS "A-board" Machines ⁶	Resistive Touch	Analog	External P/S	USB

See [Marketing Bulletin 1157](#) Issue 15 or later for pricing and packaging details.

To Your Success,



Anton van Severen

⁷ And Keypad/MSR/Keylock signal if applicable.