

## PSAP Grant Program Grant Ranker

# View Application--155--Suffolk Police 2010

**Grant Period:** 2010

**Tier:** Replacement of technically outdated wireless E-911 equipment or service to enable primary PSAP to maintain current service levels to the general public (**TECHNICALLY OUTDATED**)

**Grant Program:** Continuity and Consolidation **Grant Type:** Individual PSAP

**Priority:** Other Continuity and Consolidation items (**OTHER**)

**Primary PSAP Applicants:** Suffolk Police Communications

**Jurisdictions Served:** Suffolk, City of

### Project Director:

Sandra Springle

Sergeant

120 Henley Pl. Suffolk, Virginia 23434

757-514-7927 (phone)

757-539-0516 (fax)

sspringle@city.suffolk.va.us

### Project Description:

**Total Project Cost** \$52,752.00

**Amount Requested:** \$52,752.00

### Statement of Need:

**Radio Consoles:** In the Emergency Communication Center (ECC) there are eight workstations. Most of these workstations operate 24 hours a day, 7 days a week. Of those 8 workstations, 4 computers have been in service for approximately 6 and a half years and the others have been in service over 4 and a half years. Each work station consists of 2 17" monitors, a CPU, keyboard and mouse. Replacement of the keyboards, mice and monitors are starting to occur. Recommendations from the CAD software vendor recommend a 3 to 5 year replacement cycle. All workstation are operating in the Windows 2000 environment instead of Windows XP or Vista which Microsoft supports for workstation classed needs. The grant is requesting the replacement of 5 work stations. **CAD and Message Switch Servers:** The ECC utilizes three servers. These operate 24/7. Two have been in service for over 3 and a half years and the third has already had the motherboard replaced due to failure. The Department is anticipating replacing one of these servers this budget year. However, it is unknown when the other two will be replaced. The Department will move to a newer technology VMware (virtual technology where the servers share resources) and utilize the current servers as back-ups as long as they remain functional. Memory space for current servers is at a premium and should be resolved by new virtual servers. Multiple virtual machines share hardware resources without interfering with each other so that you can safely run several operating systems and applications at the same time on a single computer. In the event the CAD server crashed, it would be very difficult to dispatch in a timely and efficient manner. The Message Switch server is the computer that acts as the "gatekeeper" between CAD and mobiles, Mobile to mobile, mobile to State Police (VCIN/NCIC) and CAD and state police. It controls all activities that the officers do on mobiles (CAD information, adding call notes, writing IBR

reports, field contacts, obtaining RMS information, etc.) CAD Printers: These printers are part of the CAD and Fire Alerting at the Fire stations where the Firefighter can see and take a copy of the message with them on a call. Until now the printer function has been a part of the wireless rf portion of the Fire Alerting and has had repeated failure due to rf issues. It is our goal with this grant to replace the printer function to directly connect to the CAD interface bypassing the rf system. This will increase reliability greatly and insure Firefighters that the data they need on a call will be there.

**Comprehensive Project Description:**

Timeline:60 to 90 days Goal: Update and Modernize PSAP Servers Objective: Move to a Virtual Server CAD Environment Project Description: Purchase two Servers Implementation: Normal Purchasing Procedure  
 Project Description: Purchase VMWare by Sungard Implementation: Normal Purchasing Procedures  
 Timeline:90-120 days Implementation: Convert over to Virtual servers Timeline: 120-180 days Goal: Update and modernize Console stations for dispatchers Objective: Replace technically outdated Monitors, CPUs and related hardware Project Description: Purchase five CPUs and 10 monitors Set-up and installation by City and Police IT personnel Timeline: 90- 120 days Goal: Update and Replace outdated CAD printers for Fire MOSCAD. Objective: Create direct interface with CAD instead of rf Project Description: Purchase Printers for Fire Stations Implementation: Install with City and Fire IT personnel

**How will the equipment purchased will support future technologies for PSAP readiness?:**

The updating of the servers and moving to a virtual format, will make the dispatching platform much more stable and hardy. It will be able to support the addition of increase network volume and additional software for many years to come. The updating of the dispatcher consoles (CPUs and monitors) are necessary to also be able to handle new and more complex programs that will arise like the EMD software. The speed and the memory of the CPUs will increase and prevent network overloads. The purchase of the CAD printers for the Fire Department's MOSCAD system will help improve the reliability of the Fire Department to get the information needed at the point of dispatch. The essence of the PSAP program is to get vital information to emergency responders as soon as possible. These printers will also be able to capture other CAD data as needed for reference by the Fire Department.

**Budget and Budget Narrative:**

Hardware: The Console workstations are compatible with current work stations, only not outdated. The Servers are those needed to replace servers as we move to a virtual platform. The CAD printers are basically generic high speed printers that are needed for the critical daily print requirements. (Quotes attached).  
 Item (Hardware) Unit Price Units Total Console Work Stations (1 CPU and 2 monitors) 1,391 5 6,955 Logitech Mouse 38 5 190 Servers 6,824 2 13,648 USB Interface 59 2 118 CAD Printers for Fire Dispatch 549 9 4,941 Total 25,852 Professional Services: Sungard will be required to travel to the Department for the replacement of the servers  
 Item (Professional Services)Unit Price Units Total Sungard CAD Project Management 500 1 500 Sungard Installaion & Set up of Servers 1,400 2 2,800 Travel Expenses 750 1 750 Living Expenses 750 1 750 Total 4,800 Licensing: Implementing a virtual platform will require the software licensing. This software is recommended by the CAD vendor.  
 Item (Licensing) Unit Price Units Total VMware Licensing Fee 4,825 2 9,650 Total 9,650 Maintenance: Maintenance will be for 5 years. This is a benefit to the department as the aforementioned items would be difficult to request if the maintenance were not included. Maintenance is so vital if systems are to be kept operational and in a state of readiness.  
 Item (Maintenance) Unit Price Units Total VMWare Maintenance 2,490 5 12,450 Total 12,450 Grand Total \$52,752

**Evaluation:**

Evaluation of the equipment will be measured from input from the users. The Dispatchers will be asked to evaluate the Consoles. Evaluation on the servers will be conducted on several different levels. We will measure any downtime of the servers and the capacity compared to the previous servers. Evaluation of the CAD printers will be make by Fire Officials as to their effectiveness and durability.

**Attachments**

[Dell- Sungard.pdf](#)





**QUOTATION**

**QUOTE #:** 446354733  
**Customer #:** 4843  
**Contract #:** 70137  
**Customer Agreement #:** Dell Std Terms  
**Quote Date:** 8/27/08  
**Customer Name:** CITY OF SUFFOLK  
**Date:** 8/28/08 11:51:01 AM

<b>TOTAL QUOTE AMOUNT:</b>	\$20,649.00	
<b>Product Subtotal:</b>	\$20,649.00	
<b>Tax:</b>	\$0.00	
<b>Shipping &amp; Handling:</b>	\$0.00	
<b>Shipping Method:</b>	Ground	Total Number of System Groups: 1

13,648

GROUP: 1	QUANTITY: 2	SYSTEM PRICE: \$6,824.00	GROUP TOTAL: \$20,472.00
Base Unit:		Quad Core Xeon X5355 Processor 2x4MB Cache, 2.66GHz, 1333MHz FSB for PowerEdge 2950 (223-5925)	
Processor:		Quad Core Xeon 2nd Processor X5355, 2x4MB Cache, 2.66GHz 1333MHz FSB, PE2950 (311-6968)	
Memory:		32GB 667MHz (8x4GB), Dual Ranked DIMMs (311-6927)	
Video Card:		LOM NICs are TOE Ready (430-2968)	
Video Memory:		Riser with 3 PCIe Slots for PowerEdge 2950 (320-4607)	
Hard Drive:		73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)	
Hard Drive Controller:		PERC6i SAS RAID Controller, 2x4 Connectors, Int, PCIe, 256MB cache, x6 Bkpl (341-5734)	
Floppy Disk Drive:		No Floppy Drive for x6 Backplane (341-3685)	
Operating System:		No Operating System (420-6320)	
NIC:		ONBOARD BROADCOM 5708 1GBE NETWORKING (430-1764)	
Modem:		Dell Remote Access Card, 5th Generation for PowerEdge Remote Management (313-3923)	
CD-ROM or DVD-ROM Drive:		24X IDE CD-RW/DVD ROM Drive for PowerEdge 2950 (313-3934)	
Sound Card:		Bezel for PE 2950 (313-3920)	
Speakers:		1x6 Backplane for 3.5-inch Hard Drives (311-7936)	
Documentation Diskette:		Electronic Documentation and OpenManage DVD Kit (310-7415)	
Additional Storage Products:		73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)	
Feature		Integrated SAS/SATA RAID 0, PERC 6/i Integrated/SAS6iR (341-5721)	
Feature		Universal Sliding Rapid/Versa Rails, Includes Cable Management Arm (310-7412)	
Service:		Dell Hardware Warranty Plus Onsite Service Initial YR (984-1399)	
Service:		Dell Hardware Warranty, Extended Year(s) (984-1417)	
Service:		Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (986-8232)	
Service:		ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (986-8422)	
Service:		Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (987-2830)	
Service:		Thank you choosing Dell ProSupport. For tech support, visit <a href="http://support.dell.com/ProSupport">http://support.dell.com/ProSupport</a> or call 1-800-945-33 (989-3439)	
Service:		<b>MISSION CRITICAL PACKAGE:</b> Enhanced Services, 3 Year (989-9238)	
Installation:		On-Site Installation Declined (900-9997)	

Misc:	Energy Smart Redundant Power Supply with Dual Cords (310-9909)
Misc:	Power Cord, NEMA 5-15P to C14,15 amp, wall plug, 10 feet / 3 meter (310-8509)
Misc:	73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)
Misc:	73GB 15K RPM Serial-Attach SCSI 3Gbps 3.5-in HotPlug HardDrive (341-3029)
Misc:	Intel PRO 1000PT Dual Port 1GbE NIC, PCIe-4 (430-0959)
	CFI,Information,Hard Drive,Install Increasing Order,Factory Install (361-1722)
	CFI Titan Code for CFI FIDA orBypass SI (364-1846)
	CFI Bypass EIDO (364-7502)
	CFI Routing SKU (365-0257)
	CFI,Rollup,Integration, OR-Raid,Without OS,Serv (366-4303)
	CFI,Information,Order Ready, 9104C1,Factory Install (372-1457)
	CFI,Information,Hotspare,Hard Drive,Factory Install (361-8968)
	CFI,Information Only, RAID5,3Hard Drive,Factory Install (361-4536)

## SOFTWARE &amp; ACCESSORIES

Product	Quantity	Unit Price	Total
USB Style Server Interface PodPowerEdge x161DS/180AS/2160AS,Customer Kit (310-5680)	3	\$59.00	\$177.00
Number of S & A Items: 1		S&A Total Amount: \$177.00	

SALES REP:	Nathan Ratliff	PHONE:	800-274-7799
Email Address:	nathan_ratliff@Dell.com	Phone Ext:	7268236

For your convenience, your sales representative, quote number and customer number have been included to provide you with faster service when you are ready to place your order. Orders may be faxed to the attention of your sales representative to 1-866-607-6914. You may also place your order online at [www.dell.com/qlto](http://www.dell.com/qlto)

This quote is subject to the terms of the agreement signed by you and Dell, or absent such agreement, to Dell's Terms of Sale.

Prices and tax rates are valid in the U.S. only and are subject to change.

**\*\*Sales/use tax is a destination charge, i.e. based on the "ship to" address on your purchase order. Please indicate your taxability status on your PO. If exempt, please fax exemption certificate to Dell Tax Department at 888-863-8778, referencing your customer number. If you have any questions regarding tax please call 800-433-9019 or email Tax\_Department@dell.com. \*\***

All product and pricing information is based on latest information available. Subject to change without notice or obligation.

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Shipments to California: For certain products, a State Environmental Fee Of Up to \$10 per item may be applied to your invoice as early as Jan 1, 2005. Prices in your cart do not reflect this fee. More info: or refer to URL [www.dell.com/environmentalfee](http://www.dell.com/environmentalfee)

SunGard Public Sector Inc.  
 4000 OSSl Cr - High Point, NC 27265 -  
 Phone: (336) 885-0911 - Fax: (336) 885-5329 - Email: tbracken@ossusn.com

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**Add-On Quote**

**PUBLIC SECTOR**

Date	Quote #	Acct Mgr
08/20/08	TQDBQ3376	Tammy Bracken

**Quote Prepared For:**

Suffolk, VA  
 Tracy Dietz  
 120 N Wellons Street  
 Suffolk, VA 23434  
 Phone: 757-514-7929

Qty	Part Number	Product Description	Unit Price	Extended Price	Annual Maintenance
<b>Services to Migrate CAD, RMS, and Switch to Virtual Environment</b>					
2	TCH-PROF-SERV	Technical Professional Service Day	\$1,400.00	<del>\$5,600.00</del> 2,800.00	\$0.00
Professional services for implementation and/or configuration of third party hardware and/or software in support of SunGard's OSSl application software. This includes installation and setup of the product.					
All implementation services are billed on a daily basis. If SunGard provides less than a day of service, it will be billed at the full daily rate.					
1	TCH-LE	Living Expenses for Third Party Applications	\$750.00\$	750.00	\$0.00
Estimated living expenses that may be incurred during the installation of third party software products provided by SunGard OSSl. OSSl will bill for this item as it is incurred and follow the guidelines established in the Primary Contract.					
1	TCH-TE	Travel Expenses for Third Party Applications	\$750.00\$	750.00	\$0.00
Estimated travel expenses that may be incurred during the installation of third party software products provided by SunGard OSSl. OSSl will bill for this item as it is incurred and follow the guidelines established in the Primary Contract.					
<b>Total:</b>			<b>\$7,100.00</b>	<b>\$0.00</b>	

This quote is valid until 09/30/08

This Quote constitutes a Supplement to the Contract and Agreement by and between the parties hereto. Except as otherwise provided herein, all terms and conditions of the Contract and Agreement shall remain in full force and effect. As applicable for certain customers, the term "Contract and Agreement" is defined as the Software License & Services Agreement and the License Program Support Agreement between the parties hereto.

Should Customer terminate this agreement per the "Term of Contract" Section of the Contract and Agreement, the Customer agrees to pay, immediately upon termination, the remaining balance for all hardware, software, and services delivered prior to the termination date together with travel reimbursements, if any, related to the foregoing. Notwithstanding any language in the Contract and Agreement to the contrary, the purchase of support services is NOT necessary for the continuation of Customer's License.

Licensed Program(s) are provided in and may be used in machine-readable object code form only. SunGard Public Sector offers the Customer, through a third party escrow agent, a Source Code Escrow Agreement that provides for release of the source code version of the Licensed Program(s) from escrow upon the occurrence of certain release events, such as SunGard Public Sector's failure to provide required maintenance services as agreed.

Applicable taxes are not included, and, if applicable, will be added to the amount in the payment of invoice(s) being sent separately. Travel and living expenses are in addition to the prices quoted above and shall be governed by the SunGard Public Sector Corporate Travel and Expense Reimbursement Policy.

The SunGard Public Sector application software warranty shall be for a period of one (1) year after Delivery. There is no Testing and Acceptance period on the Licensed Program(s) herein

Any interfaces listed above are interfaces only. Customer shall be responsible for obtaining the applicable software, hardware and system software from the appropriate third party vendor.

Reprinted conditions and all other terms not included in this Quote or in the Contract and Agreement, stated on any purchase order or other document submitted heretofore by Customer are of no force or effect, and the terms and conditions of the Contract and Agreement and any amendments thereto shall control unless expressly accepted in writing by SunGard Public Sector to Customer.

Third party hardware/software maintenance and/or warranty will be provided by the third party hardware and software manufacturer(s). SunGard Public Sector makes no representations as to expected performance, suitability, or the satisfaction of Customer's requirements with respect to the hardware or other third party products specified in this Quote. The return and refund policy of each individual third party hardware/software supplier shall apply.

This Agreement is based on the current licensing policies of each third party software manufacturer as well as all hardware manufacturers. In the event that a manufacturer changes any of these respective policies or prices, SunGard Public Sector reserves the right to adjust this proposal to reflect those changes.

This Quote shall be effective notwithstanding any provisions as to non-availability of funds contained in the Contract and Agreement.

The date of delivery is the date on which SunGard Public Sector delivers, F.O.B. SunGard Public Sector's place of shipment, the Licensed Program(s) to Customer.

For training and on-site project management sessions which are cancelled at the request of Customer within fourteen (14) days of the scheduled start date, Customer is responsible for entire price of the training or on-site project management plus incurred expenses.

**Payment Terms are as Follows:**

License, Conversion, Project Planning, Project Management, Hardware and Third Party Software Fees are due upon execution of this Quote. Training, Professional Services and Travel/Living expenses are due as incurred monthly. Installation is due upon completion. Additional services if requested, will be invoiced at then-current rates. Any shipping charges shown are estimated only - actual shipping charges will be due upon delivery. Hardware and Third Party Software Implementation is due 50% on execution of this Quote, and 50% due upon invoice, upon completion.

SunGard Public Sector Application Annual Support - the initial term of Maintenance and Support Services is included in License Fees and begins upon execution of this Quote and extends for a twelve (12) month period. Subsequent terms of support will be for twelve (12) month periods, commencing at the end of the initial support period. Support fees shown for the second term of support shall be due prior to the start of that term. Fees for subsequent terms of support will be due prior to the start of that term at the then prevailing rate. Third Party Application Annual Support Fees - Payment terms shall be as provided by the Third Party to Customer with the exception that any fees listed above for the initial term of support are due upon execution of this Quote.

**Accepted:**

Suffolk, VA

Signature \_\_\_\_\_

Date \_\_\_\_\_

Printed Name \_\_\_\_\_

8/20/2008

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**SUNGARD PUBLIC SECTOR**  
OSSI

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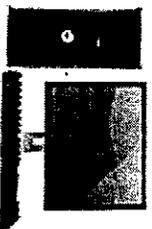
Dell recommends Windows Vista® Business.



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SHARI

## Print Summary



**OptiPlex 360 Minitower - New!**

Price **\$1,390.99**

Preliminary Ship Date: 11/22/2008<sup>1</sup>

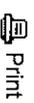
My Selections All Options

- OptiPlex 360 Minitower - New!

**Date** 10/23/2008 12:10:17 PM Central Standard Time  
**Catalog Number** 84 Retail rc978219

Catalog Number / Description	Product Code	Qty	SKU	Id
<b>OptiPlex 360 Minitower:</b> OptiPlex 360 Minitower Base	36PSMT	1	[224-0471]	1
<b>Dell Energy Smart:</b> Dell Energy Smart Enable	ESMART	1	[310-8344]	25
<b>Processors:</b> Intel® Core™ 2 Duo Processor E7300 (2.66GHz, 3M, 1066MHz FSB)	E73266	1	[311-9071]	2
<b>Operating System(s):</b> Genuine Windows Vista® Business Downgrade, XP Professional SP3 Install, E	XP33BDE	1	[310-9162][420-9570]	11
<b>Thermals:</b> Opti 360 Heat Sink, MT	HS360MT	1	[330-2079]	17
<b>Memory:</b> 2.0GB DDR2 Non-ECC SDRAM, 800MHz, (2DIMM)	2G2N82	1	[311-7422]	3
<b>Video Card:</b> Integrated Video, Intel® GMA3100	INTVID	1	[320-5766]	6
<b>Keyboard:</b> Dell USB Keyboard, No Hot Keys	EUSB	1	[330-1987]	4
<b>Mouse:</b> New Dell USB Optical Mouse with Scroll, All Black Design	USBOBLK	1	[330-2733]	12
<b>Monitors:</b> Dell 19 inch E198FP Flat Panel, Analog	E198FP	1	[320-5578]	5
<b>Power Supply:</b> OptiPlex 360 Minitower Chassis with Standard Power Supply	PS360MT	1	[330-2077]	20
<b>Shipping Packaging Options:</b> Shipping Material for System, Smith Minitower	MTSHIP	1	[330-1186]	41
<b>Boot Hard Drives:</b> 160GB 7200 RPM SATA 3.0Gbps and 8MB DataBurst Cache™	160S	1	[341-5096]	8

<b>Floppy Drive:</b> No Floppy Drive	NFD	1	[341-3839]	10
<b>Documentation:</b> Documentation, English with 125 Volt US Power Cord	DOCENG	1	[330-1710][330-1711]	21
<b>Removable Media Storage Devices:</b> 48X32 CDRW/DVD Combo, Roxio Creator™ Cyberlink Power DVD™	COMBO	1	[313-5550][420-7963][420-8630][420-9185]	16
<b>Speakers:</b> Dell AX510PA Stereo Speaker Bar Flat Panel Displays (Black)	AX510PA	1	[313-6742]	18
<b>Resource DVD:</b> No Resource DVD	NORCD	1	[313-3673]	27
<b>Readyware:</b> Readyware Installation Fee	RW	1	[365-1234]	36
<b>Second Monitors:</b> Dell 19 inch UltraSharp™ 1908FP Flat Panel, Adjustable Stand, VGADVI	1908FP	1	[320-5292]	138
<b>Hardware Support Services:</b> 3 Year Basic Limited Warranty and 3 Year NBD Onsite Service	U3OS	1	[990-7672][990-9710][992-1817][992-1818]	29
<b>Installation:</b> No Onsite System Setup	NOINSTL	1	[900-9987]	32



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sn CFG3

Qty 6 = \$ 227.70

Product Category > [Technology](#) > [Computer Peripherals](#) > [Mouse](#)  
 Manufacturer > [Logitech](#)

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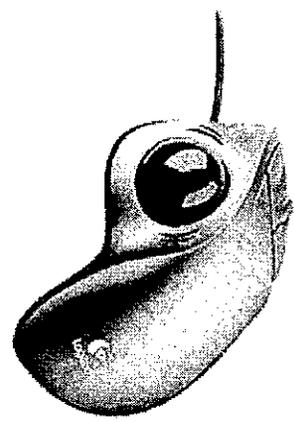


3M™ Mouse Pad,  
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- Contoured, right-handed design for enhanced comfort.
- Customizable buttons for easy access to key tasks.
- Scroll wheel and drag lock buttons for easy navigation.
- 1-3/4" x 2-3/16" x 5-3/25".
- Windows 98, 2000, Me, XP, Vista certified and Mac OS 8.6 or later.
- USB and PS/2 connectivity.
- Manufacturer's five-year warranty.



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1/4", USB and  
PS/2



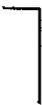
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Ergonomic  
Keyboard, 32-Hot  
Keys, 12-  
Programmable,  
with Palm Rest

\$38.38 / EA



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Lx7, Cordless

Additional Information

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Product Details

Item #	LOG9043530403
Manufacturer	Logitech
Buttons	2, customizable
Color(s)	Silver/Gray
Connector/Port	USB and PS/2
Cursor/Scrolling Features	2 customizable buttons/scroll wheel on top
Left/Right Hand Use	Right-Hand
Operating System Compatibility	Mac@/PC
P_taxonomyLinkName	Mouse
Product Name	Mouse
Programmable Buttons	2
Scroll Wheel	Yes
Special Features/Suggested Use	Marble® sensing technology
Trackball	On side, red

Disclaimer: We reserve the right to substitute with similar items of comparable quality. Occasionally item(s) displaying immediate availability may become unavailable. We will automatically back order that item and/or provide a similar item of comparable quality and ship the item as soon as it becomes available. If your order contains furniture items, additional charges for delivery and installation are not reflected in the order total and will be added to this order at the time of processing. Product Specific Terms & Conditions: [Office Products Furniture](#)

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# FX-890N Impact Printer

## Product Information

<a href="#">Overview</a>	<a href="#">Features &amp; Benefits</a>
<a href="#">Specifications</a>	<a href="#">Accessories</a>
<a href="#">Customer Reviews</a>	<a href="#">Warranty</a>
<a href="#">Technical Support</a>	

## Impact Printer Reference Guide

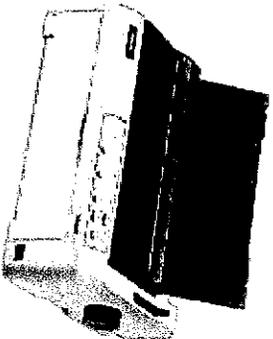
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