

## IBM 4610 SureMark Printer Models 2CR and 2NR offer reliability, high performance, exceptional usability, easy serviceability, low total cost of ownership, and eco-friendliness

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### At a glance



The new IBM® SureMark™ Printer Models 2CR and 2NR offer:

- Fast, quiet 80 lines per second (lps) receipt printing and auto-cutting make transactions quicker and improve in-store customer satisfaction.
- The models include receipt printing and document insert stations. Model 2CR also includes highly accurate MICR reading (magnetic ink character recognition) for single-pass check handling.
- CRU replacement of the thermal print head, main card, and interface card is guided by Light-Path management and is linked with free systems management software.
- Packaging is eco-friendly and support for new "green" polymer receipt media is planned.
- Five resident code pages and four downloadable DBCS code pages enable international retailers with language support at GA. Additional code pages to equal a total of 29 will become available in the future.
- Reseller-friendly design enables reconfiguration of the communication interface and cover colour.
- Systems management sensors include paper low, paper motion, print head, and cutter "health."
- Tear bar is a failsafe backup for the cutter.
- Simplified paper loading and support for large 102 mm (4 in) diameter rolls improves usability and reduces labour and training expenses. 102 mm (4 in) rolls of polymer receipt media can reduce roll changes by half.
- User memory (3 MB) can be re-allocated by users for multiple purposes.

- These models offer a single, high-performance printing platform worldwide for international retailers.
- The components have an extended life: thermal receipt station print head life is 150 km; receipt cutter life is 1.5 million cuts.
- Remotely adjustable low-paper sensor helps to minimize transaction delays.

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## Overview

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The new 4610 SureMark Printer Models 2CR and 2NR are dual-station thermal/impact POS receipt printers offering high-speed receipt printing -- up to 80 lps -- fast check handling in the document insert station, superior reliability, serviceability, and usability. Available worldwide, these models replace Models Tx3, Tx4, and Tx5 and can easily be configured by users to print DBCS (double-byte character set) or SBCS (single-byte character set) characters, used in most countries around the world.

Available RS-232, RS-485, and USB (2.0) communication interfaces enable attachment to IBM's wide range of SurePOS™ Series point-of-sale (POS) systems plus PCs and competitive systems. Your investment is protected over time because the interface modules are available as field-upgrades. You can change the interface of your printer as your POS terminal requirements and technology evolve.

Servicing and managing these new POS printers is very simple and easy. Light-Path management coupled with tool-less replacement of major assemblies plus enhanced systems management sensors and usage counters make these models very easy to service and manage. Customers who choose to service their own printers will value the CRU (customer replaceable unit) replacement of the thermal print head, the main card assembly, and the communication interface adapter. And the three Light-Path LEDs make diagnosing problems with these CRUs as easy as 1-2-3. Systems management sensors include a paper motion / paper out sensor, cutter-complete sensor, a low-paper sensor, a print head "health" sensor, plus several more.

Further demonstrating IBM's commitment to eco-friendliness, these new 4610 Printers minimize landfill waste and carbon emissions by using packaging cushions made from 100% post-consumer waste HDPE (high density polyethylene) and a corrugated cardboard package that includes 35% recycled post-consumer materials. Additionally, these printers are designed to print the very latest in receipt media technology -- new polymer receipt media, which offers a very green alternative to paper receipt media due to reduced emissions from production and transport of the new material.

Several ease-of-use features have been added to these new models. Easy drop-and-load paper loading and a cover open button make paper loading fast and easy. Support for large 102 mm (4 in) diameter paper rolls minimizes labour expenses by reducing roll changes and has the added benefit of reducing waste paper roll cores that are not always recycled as they should be. The combination of a larger roll plus new thinner polymer receipt media will reduce the number of roll changes by half. A compatibility mode is offered for customers who want to retain existing applications while upgrading their printers.

These new models are designed to simplify model ordering, streamline the supply chain, and improve product availability. Both the covers and interface card are features of the printer. Printer covers do not contain any electronics, so they can easily be changed to reflect colour preferences. Submit an RPQ to purchase replacement cover sets. The interface card is designed to be assembled during printer setup at the customer's site. This reduces the number of models and allows easy connection of cables to the interface card before it is attached to the printer.

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## Key prerequisites

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Models 2CR and 2NR attach to IBM SurePOS 100/300/500/700 Series and AnyPlace Kiosk and AnyPlace POS Hub Systems with RS-232, RS-485, and USB (plus-power and unpowered USB) interfaces. Most systems offer both power and signal connections, but in some cases an optional special power-only cable may be used to connect the printer's power connector to a USB plus-power port. Connection to non-IBM systems and PCs generally require an optional power brick.

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## Planned availability date

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August 1, 2008

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## Description

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### Ultimate performance

These quiet, high-quality fiscal thermal receipt printers set a new standard for speed, delivering up to 80 lps burst print speed. This print speed improvement of greater than 50% over existing 4610 models will shorten transaction times. A standard 3 MB user flash memory can be allocated by users to store electronic journaling data, logos, fixed messages, and TrueType fonts. Check processing is also fast and accurate with the new Model 2CR, which includes high-accuracy MICR reading plus fast check flipping and printing, reducing check transaction times. Available worldwide, these new models provide extended support for languages through five resident code pages and four downloadable DBCS code pages at product GA. Additional code pages to equal a total of 29 will become available in the future.

### Built-in reliability and serviceability

Designed for ease of servicing and management, these new POS printers offer Light-Path management coupled with tool-less replacement of most major assemblies. A new systems management sensor system and usage counters are supported by IBM's free systems management software. Systems management sensors include a paper motion / paper out sensor, a cutter-complete sensor, a low-paper sensor, and a print head "health" sensor. Customers who choose to service their own printers will value the CRU replacement of the thermal print head, the main card assembly, and the communication interface adapter. And the three Light-Path LEDs make diagnosing problems with these CRUs as easy as 1-2-3. Additional reliability improvements include a 150 km thermal print head and a receipt cutter with a 1.5 million cut life, a 50% improvement over current models.

### Supremely green

Extending IBM's commitment to eco-friendliness, these new 4610 Printers minimize landfill waste and carbon emissions by using HDPE (high density polyethylene) packing cushions made from 100% post-consumer waste and corrugated cardboard packages that consist of 35% recycled materials. All packaging materials and most of the materials used to manufacture the printer are recyclable. Additionally, these printers are designed to print the very latest in receipt media technology -- new polymer receipt media, which offers a very green alternative to paper receipt media. This new media type weighs much less than a comparable footage of paper receipt media, reducing the carbon footprint associated with transportation. Additionally, the production of the material and recycling is much more energy efficient than comparable paper processes. Customers taking advantage of the CRU replacement of major assemblies will help to reduce carbon output by reducing miles driven by service support personnel. And support for new 102 mm (4 in) diameter receipt rolls will help minimize disposal of paper roll cores in landfills.

### Shrinks operating costs

Several ease-of-use features added to these new 4610 Models will reduce retailers' total cost of ownership:

- 102 mm (4 in) diameter receipt rolls require changing much less often, reducing labour expenses.
- Polymer receipt media has a thinner caliper than paper receipt media and yields far more receipts per roll.
- Easy "drop and load" receipt roll loading plus improved document insert station forms loading reduces training expenses.
- Paper-low and paper motion sensors status is reported by the printer to IBM systems management software, which will alert store personnel, reducing customer wait time.

Transaction times and associated expenses can be reduced by the fast processing of checks and receipts. Retailers who choose to process their check transactions electronically via ECC

(electronic check conversion) will achieve the highest savings with current Model T19, which offers the best MICR reading accuracy plus document imaging. Model 2CR does not offer imaging, but its MICR reading accuracy is second only to that of the current Model T19, making this model a good choice for use in the ECC process.

### Multiple printer models supporting many market segments

International and global retailers can use SureMark Printers as a single worldwide printer platform to improve the efficiency of service and support. These printers are available in a wide range of models, so multinational retailers can select the right model for each geography in which they do business.

Models 2CR, 2NR, and T19 are well-suited for customers who require both receipt printing and document printing. Customers who expect to process checks will benefit from the single-pass check-handling feature (including accurate MICR reading and check printing and flipping) that is standard on Models 2CR and T19 (T19 is a currently existing model). Customers in the United States who process checks via ECC will find the check scanning and highest-accuracy OCR/MICR functions of Model T19 useful. Model 2NR will be the product of choice for customers in markets where check processing is not required but document printing is still needed. The Models 2NR and 2CR also support the DBCS printing requirements of Asia Pacific countries.

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## Product number

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SureMark Dual Station Printer, 4610 2CR  
MICR, IOR warranty service

SureMark Dual Station Printer, 4610 2NR  
IOR Warranty

**Note:** The following specify codes and features can be ordered on Machine type 4610 models 2CR and 2NR:

#### Power Cord Specifies

1.8M power cord	9880
4.3M power cord	9875

#### Color Specifies

Cover colour pearl white specify	2918
Cover colour iron gray specify	2921

#### Miscellaneous Specify

Small Starter Paper Roll	0720
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#### Interfaces - Chargeable

Inter adapter USB dual station	6265
Inter adapter RS-485 dual station	6266
Inter adapter RS-232 dual station	6267

No interface adapter	9990
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#### Cables

RS-232 Cable - .75m - 9pin to RJ-45	2405
RS-232 Cable - 2m - 9pin to RJ-45	2406
USB Power-only Cable 24V 2.0M	3912
USB Power-only Cable 24V 1.5M	6096
USB Power-only Cable 24V 0.7M	3913
RS-485 Cable - 0.48M	4920
RS-485 Cable 1.5M	6095
RS-485 Cable - 3.8M	4922
RS-232 Cable - 2m	4931
RS-232 Cable - .75M	4933

RS-232 Cable - 1.5M	6091
RS-232 Cable - .4m	4932
Std USB Cable 5.0M	7370
USB Signal +Power Cable 24V 3.8M	4925
USB Signal +Power Cable 24V 0.5M	4926
USB Signal +Power Cable 24V 1.5M	6090
Printer Cash Drawer Cable 3.8M	3387
Printer Cash Drawer Cable 0.5M	6097
Customer-provided cable	9600
Power Supply	4930

#### VFD Extensions

VFD Display extension Litho	5348
VFD Display extension Iron	5651
VFD Display extension Storm	5650

#### Filler Panels for M/T 4800

Filler panel for wide 4800 pearl	7240
Filler panel for narrow 4800 pearl	7245
Filler panel for wide 4800 Iron	7241
Filler panel for on narrow 4800 Iron	7246

#### Power Cords

(Other than country code assigned)

1.8 M Non-Locking, Chicago	9880
4.3M Locking,	9875

Note: The following features are orderable on 4611-010:

Inter adapter USB dual station	6265
Inter adapter RS-485 dual station	6266
Inter adapter RS-232 dual station	6267

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## Education support

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Multimedia education is available for IBM Business Partners, IBM customers, and IBM employees who sell, support, or service this product.

#### Sales courses (IBM and Business Partners):

Course title	Language	Course number
Selling the IBM SureMark Printers Models 2CR and 2NR	English	RE4610S2

#### Technical courses (IBM, Business Partners, customers):

Course title	Language	Course number
Supporting the IBM SureMark Printers Models 2CR and 2NR	English	RE4610T2
IBM 4610 SureMark Printers Models 2CR and 2NR Hardware Service Training	English	SE461002

To enroll in these and other IBM Retail Store Solutions Education courses, visit

- IBM employees:

<http://lt.be.ibm.com/smartzone>

- IBM Business Partners:  
<http://www.ibm.com/services/weblectures/dlv/smartzone>
- IBM customers:  
<http://www.ibm.com/education/retail>

For questions regarding IBM Retail Store Solutions Education offerings, send an e-mail to [grse@us.ibm.com](mailto:grse@us.ibm.com)

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## Publications

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No publications are shipped with the announced products.

Drivers for the appropriate POS subsystem can be downloaded from the Retail Store Systems Web site

<http://www.ibm.com/solutions/retail>

Title	Order number	Language
IBM SureMark Printers User's Guide	GA27-4151	English

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## Services

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### Global Technology Services

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IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an On Demand Business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

For details on available services, contact your IBM representative or visit

<http://www.ibm.com/services/>

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

<http://www.ibm.com/services/continuity>

For details on education offerings related to specific products, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

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## Technical information

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### Specified operating environment

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#### *Physical specifications*

Models 2CR and 2NR:

At base of product:

width: 190.5 mm (7.5 in)

depth: 255 mm (10.0 in)

Height: 198 mm (7.8 in)

Projected dimensions: (including overhangs above base)

Width: 202 mm (7.9 in)

Depth: 277 mm (10.9 in)

Height (rear): 198 mm (7.8 in)

Height (front): 140 mm (5.5 in)

Weight:

Model 2CR: 4.8 kg (10.6 lb)

Model 2NR: 4.7 kg (10.4 lb)

To assure installability and serviceability in non-IBM industry standard racks, review the installation planning information for any product-specific installation requirements.

### **Software requirements**

Models 2NR and 2CR are supported in Linux®, Windows®, and 4690 OS environments at GA in "Compatibility mode." Functions that are available include the following:

- All current functions offered by 4610 Models TI3, TI4, and TI5
- 80 lps printing
- RMA support, limited to Tx3/4/5 supported functions
- 256KB User memory (3 MB is available, but not accessible in compatibility mode)
- High-accuracy MICR reading
- Extended life cutter and print head
- 102 mm (4 in) diameter paper roll
- Serviceability features including CRU design
- Light-Path management for cards (but not supported for thermal printhead)
- In 4690 OS, as specified below, automatic firmware updates are available

Functions not available in Compatibility mode, but will be supported in Native mode once driver and OS support are available -- all functions, including the following:

- Paper low and Paper motion sensors
  - RMA support including new functions like paper low and paper motion sensors
- 3 MB user memory
- Distinction between paper out and cover open sensing
- Cutter and print head health sensors (including Light-Path management for thermal printhead)
- UPOS support for automatic firmware updates

### **OS and application support (compatibility-tested)**

Linux (UPOS 1.9.4 August 1, 2008)	NLPOS 9 SSP3, IRES 2.1.3
4690	IBM 4690 OSV4R2 - 08A0 IBM 4690 OS V5R1 - 08G0 IBM 4690 OS V5R2 - 0820 supports auto flash updates August 1, 2008
Microsoft Windows (UPOS 1.9.4 Firmware updates via diagnostic key)	Windows 2000, XP, WEPOS
ACE	August 1, 2008
Chain Drug, GSA, SA	August 1, 2008

### **OS and application support (native)**

Linux (UPOS future version supported)	NLPOS 9 SSP3 and IRES 2.1.5
4690	A future version of 4690 OS will provide native support for Models 2NR and 2CR.
Microsoft UPOS 1.9.6 August 29, 2008	Windows 2000, XP, WEPOS Embedded, Vista Business August 29, 2008
Windows Native Windows drivers	4610 NWD 2.5 Support to be provided in a future version
ACE	Support to be provided in a future version
Chain Drug, GSA, SA	None

### **Compatibility**

The new SureMark Printers Models 2NR and 2CR use the same filler panels, ribbon cartridges, interface cables, and power bricks as existing 4610 Printers. Paper rolls that meet the specifications for existing 4610 Printers may be used in these new models, though larger diameter rolls, 102 mm (4 in), may be used in the new models. Modular interface adapters (RS-232, RS-485, and USB) are new and unique to the new models. Existing interface adapters cannot be reused on new models. A compatibility mode is provided in Models 2NR and 2CR to enable use of existing drivers and applications with only minor modifications.

### **Limitations**

The receipt printing speed (80 lps) of Models 2NR and 2CR is the maximum burst speed of the printer and might not always be achieved when using an application and driver to operate the printer.

When operating the printer in compatibility mode, not all functions of Models 2CR and 2NR are supported. An example would be support for the paper low sensor, which is not provided in compatibility mode, but is supported in native mode. For a more complete listing, see 'Software Requirements' section.

Automatic flash updates are not supported in UPOS installation when operating in compatibility mode.

Polymer receipt media is a new technology planned to be supported by Models 2CR and 2NR. Although this media has not yet entered life testing, functional testing has been completed successfully.

### **Planning information**

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#### **Customer responsibilities**

The customer shall remove and replenish consumable supplies. Consumable supplies are defined as supply roll paper, inserted forms, and ribbon cartridge for impact printer and MICR read head cleaning cards for printers equipped with MICR readers. Customers are responsible for cleaning MICR read heads and thermal printheads per the instructions in the User Guide.

The customer is responsible for clearing paper jams (should they occur) and for performing diagnostics.

#### **Cable orders**

RS-232, RS-485, and USB cables are available in various lengths for ordering via feature number. When attaching via RS-232, special power cables that provide printer power via connection to a powered USB port are available via feature number.

Power cords for the optional RS-232 power supply are shipped according to the country code of the order.

## Supplies

### Thermal paper

Receipt media dimensions: The receipt media used in the thermal receipt station must meet the following requirements:

	80 mm roll width
width	79.5 +/- .5 mm (3.13 +/- 0.02 in)
Thickness	1.6 to 3.7 mil
weight	55 +/- 9 g/m(2) (14.7 +/- 2.5 lb)
Outside Diameter (internal supply)	102 mm (4 in)
Outside Diameter (under-counter supply - requires additional hardware to support the large roll)	381 mm (15 in)

The above dimensional specs represent the theoretical limits of the printer, but actual media supported can be found on the "tested papers" Web site at

<http://www.raleigh.ibm.com/rds/html/4610d.html>

The media must be wound with the printing side facing out, with the outer edge glued to prevent unravelling. The paper should not be attached to the core in any manner.

### Notes

- POS grade thermal receipt paper is recyclable.
- Printer reliability and performance are directly related to quality of supplies. Specifications for IBM SureMark Printers are established using supplies that meet IBM standards. Thermal paper with post-processing (including, but not limited to, watermarks, coupons, or advertisements printed on the front or back) is not covered by IBM specifications. Some inks and printing processes will work while others may not. Printer problems caused by supplies that do not meet these specifications may result in a billable service call, regardless of the existence of a service contract.
- Polymer receipt media is a new technology planned to be supported by Models 2CR and 2NR. Although this media has not yet entered life testing, functional testing has been completed. Results are very promising and the "green" characteristics of this media are a significant advantage.

### Security, auditability, and control

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The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

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### Ordering information

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Orders may be placed by calling [ibm.com](http://ibm.com)®, Americas at 1-800-IBM-CALL (1-800-426-2255).

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### Terms and conditions

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**Volume orders:** Contact your IBM representative.

**IBM Global Financing**

Yes

**Warranty period**

One year

**Warranty service**

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IBM On-Site Repair (IOR) (24 hours a day, 7 days a week, same-day response)

**Usage plan machine**

No

**IBM hourly service rate classification**

One

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

**Field-installable features**

Yes

**Model conversions**

No

**Machine installation**

Customer setup. Customers are responsible for installation according to the instructions IBM provides with the machine.

**Graduated program license charges apply**

No

**Licensed internal code and licensed machine code**

This product does not contain Licensed Internal Code or Licensed Machine Code.

**Educational allowance**

A 15% educational allowance is available to qualifying institutions in accordance with the Attachment for Educational Allowance. The educational allowance may not be added to any other discount or allowance.

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**Prices**

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Prices are subject to change without notice.

GST, QST, and Sales Taxes, where applicable, are extra.

For additional information and current prices, contact your local IBM representative.

Description	Mach Type Model	Feature number	P F B
SureMark Dual Station Printer, MICR, IOR warranty service	4610 2CR		
SureMark Dual Station Printer, IOR Warranty	4610 2NR		
<b>Note:</b> The following specify codes and features can be ordered on Machine type 4610 Models 2CR and 2NR:			
Power Cord Specifies			
1.8M power cord		9880	P
4.3M power cord		9875	P
Color Specifies			
Cover colour pearl white specify		2918	P
Cover colour iron gray specify		2921	P
Miscellaneous Specify			
Small Starter Paper Roll		0720	P
Interfaces - Chargeable			
Inter adapter USB dual station		6265	B
Inter adapter RS-485 dual station		6266	B
Inter adapter RS-232 dual station		6267	B
No interface adapter		9990	P
Cables			
RS-232 Cable - .75m - 9pin to RJ-45		2405	B
RS-232 Cable - 2m - 9pin to RJ-45		2406	B
USB Power-only Cable 2.0M		3912	B
USB Power-only Cable 1.5M		6096	B
USB Power-only Cable 0.7M		3913	B
RS-485 Cable - 0.48M		4920	B
RS-485 Cable 1.5M		6095	B
RS-485 Cable - 3.8M		4922	B
RS-232 Cable - 2m		4931	B
RS-232 Cable 1.5M		6091	B
RS-232 Cable - .4m		4932	B
Std USB cable 5.0M		7370	B
USB Signal +Power Cable 24V 3.8M		4925	B
USB Signal +Power Cable 24V 0.5M		4926	B
USB Signal +Power Cable 24V 1.5M		6090	B
Printer Cash Drawer Cable 3.8M		3387	B
Printer Cash Drawer Cable 0.5M		6097	B
Customer-provided cable		9600	B
Power Supply		4930	B
VFD Extensions			
VFD Display extension Litho		5348	B
VFD Display extension Iron		5651	B
VFD Display extension Storm		5650	B
Filler Panels for M/T 4800			
Filler panel for wide 4800 pearl		7240	B
Filler panel for narrow 4800 pearl		7245	B
Filler panel for wide 4800 Iron		7241	B
Filler panel for on narrow 4800 Iron		7246	B
Power Cords			

(Other than country code assigned)

1.8 M Non-Locking, Chicago	9880	F
4.3M Locking	9875	F

Note: The following features are orderable on 4611-010:

Inter adapter USB dual station	6265	B
Inter adapter RS-485 dual station	6266	B
Inter adapter RS-232 dual station	6267	B

Machine type	Model	Feature code	CDN list price
4610	2CR		\$1,010.00
4610	2NR		\$905.00
4610	2CR	6265	\$105.00
4610	2NR	6265	\$105.00
4610	2CR	6266	\$105.00
4610	2NR	6266	\$105.00
4610	2CR	6267	\$105.00
4610	2NR	6267	\$105.00
4610	2CR	6268	\$120.00
4610	2NR	6268	\$120.00
4610	2CR	2405	\$16.00
4610	2NR	2405	\$16.00
4610	2CR	2406	\$18.00
4610	2NR	2406	\$18.00
4610	2CR	3912	\$66.00
4610	2NR	3912	\$66.00
4610	2CR	6096	\$57.00
4610	2NR	6096	\$57.00
4610	2CR	3913	\$66.00
4610	2NR	3913	\$66.00
4610	2CR	4920	\$19.00
4610	2NR	4920	\$19.00
4610	2CR	6095	\$36.00
4610	2NR	6095	\$36.00
4610	2CR	4922	\$31.00
4610	2NR	4922	\$31.00
4610	2CR	4931	\$8.00
4610	2NR	4931	\$8.00
4610	2CR	6091	\$8.00
4610	2NR	6091	\$8.00
4610	2CR	4932	\$10.00
4610	2NR	4932	\$10.00
4610	2CR	7370	\$10.00
4610	2NR	7370	\$10.00
4610	2CR	4925	\$47.00
4610	2NR	4925	\$47.00
4610	2CR	4926	\$33.00
4610	2NR	4926	\$33.00
4610	2CR	6090	\$47.00
4610	2NR	6090	\$47.00
4610	2CR	3387	\$21.00
4610	2NR	3387	\$21.00
4610	2CR	6097	\$43.00
4610	2NR	6097	\$43.00
4610	2CR	4930	\$78.00
4610	2NR	4930	\$78.00
4610	2CR	5348	\$10.00
4610	2NR	5348	\$10.00

4610	2CR	5651	\$10.00
4610	2NR	5651	\$10.00
4610	2CR	5650	\$10.00
4610	2NR	5650	\$10.00
4610	2CR	7240	\$10.00
4610	2NR	7240	\$10.00
4610	2CR	7245	\$10.00
4610	2NR	7245	\$10.00
4610	2CR	7241	\$10.00
4610	2NR	7241	\$10.00
4610	2CR	7246	\$10.00
4610	2NR	7246	\$10.00
4610	2CR	9880	\$0.00
4610	2NR	9880	\$0.00
4610	2CR	9875	\$0.00
4610	2NR	9875	\$0.00
4611	10	6265	\$105.00
4611	10	6266	\$105.00
4611	10	6267	\$105.00
4611	10	6268	\$120.00

**Maintenance charges**

For additional information on maintenance and pricing, contact your IBM representative or your IBM Business Partner, or call 1-800-IBM-CALL (1-800-426-2255).

**IBM Global Financing**

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

<http://www.ibm.com/financing>

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing solutions from IBM Global Financing can help you stretch your budget and affordably acquire the new product. But beyond the initial acquisition, our end-to-end approach to IT management can also help keep your technologies current, reduce costs, minimize risk, and preserve your ability to make flexible equipment decisions throughout the entire technology life cycle. For more financing information, please visit

<http://www.ibm.com/financing>

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Windows is a registered trade-mark of Microsoft Corporation in the United States, other countries, or both.

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## **Corrections**

**(Corrected on October 13, 2008)**

The original announced prices have been added.