

IBM Global 2x2x16 and 4x2x32 Console Managers with new conversion options offer improved flexibility in monitoring and controlling IBM System x and BladeCenter systems

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At a glance



1754-D1X

New, cost-effective, densely packed solution to set up and control rack-mounted IBM® System x® servers

IBM 1754 Global Console Managers (GCM) feature:

- KVM over IP and serial console management technology in a single appliance
- Advanced security features: Common Access Card (CAC) Reader with VCO2 (46M5383) and AES Encryption support
- True serial capability with SCO (46M5382)
- 2 Level Tiering support (Up to 1024 Servers)
- Supports Virtual Media with VCO (39M2894) or VCO2 (46M5383)
- Supports Chaining up to 16 systems per port using KCO (39M2897) or UCOs (39M2895 or 43V6147)
- Built in web interface (OBWI) or can be managed with VCS or optional Avocent DSView 3 Software
- Enhanced local and remote browser interface for simplified setup and ease of use
- Redundant 10/100/1000 Ethernet ports and power supplies standard
- Support for both IPV6 and IPV4
- Widescreen 16:9 aspect ratio support
- Increased max video resolution: 1600 x 1200 or 1680 x 1050 (widescreen) native
- 60 day Avocent DSView 3 management software trial and support
- 754D2X GCM32 (4x2x32): 32 port appliance supporting up to 4 remote and 2 local users

- 1754D1X GCM16 (2x2x16): 16 port appliance supporting up to 2 remote and 2 local users

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: YE001).

Overview

The Next Generation of Digital KVM: The IBM 1754 Global Console Managers (GCM)

The IBM Global 4x2x32 Console Manager (GCM32) and IBM Global 2x2x16 Console Manager (GCM16) provide enhanced remote management, access, and security capabilities with out-of-band access to servers, network equipment, and other devices with serial configuration or console ports from a single appliance. This unified approach improves staff efficiency by reducing the time required to remotely diagnose, reconfigure, repair, or restore servers as well as network devices and other hardware with serial configuration and/or management consoles.

The 1754 GCMs provide advanced security features with smart card/Common Access Card (CAC) reader support for secure access with centralized authentication to help further prevent security breaches and reduce at the rack system management. The new 46M5383 IBM Virtual Media Conversion Option Gen2 (VCO2) with a 1754 GCM provides the historic virtual media capabilities, allowing a single USB media or mass storage device to be mapped directly to a local or remote server, as well as facilitates the Common Access Card (CAC) reader support. Now CAC readers can be quickly mapped to securely authenticate users and access servers at the rack or remotely. These offerings also deliver AES Encryption and LDAP support for simplified integration with existing authentication/security models.

The true serial capabilities of these next generation appliances expand access and control reducing infrastructure complexity by connecting and managing nearly any device with a serial port (Hubs, Routers, Switches) directly from a singular GCM. The new 46M5382 IBM Serial Conversion Option (SCO), with a 1754 GCM, is designed to deliver this functionality and supports SSH and Telnet connections and the Cisco electronic pinout for seamless connections to Cisco equipment.

These new switches also feature redundant 10/100/1000 Ethernet ports and power supplies standard improving availability and minimize downtime and new intuitive management via the On Board Web Interface (OBWI), Virtual Console Software (VCS), or optional Avocent DSView 3 software. These rack dense 16 or 32 port 1U digital solutions also support the ability to "daisy chain" up to 16 systems off a single switch port when used with existing UCO or KCOs and tier or cascade up to 2 levels, which allows the ability to manage up to 1024 servers connected to multiple switches from one local console.

1754D1X and 1754D2X have a three-year limited warranty¹.

Single pane of glass Data center management with Avocent DSView 3

Access software

Avocent's DSView 3 management software provides data centers with a secure, centralized management solution for all IT assets. This software allows administrators to access, diagnose, and modify any managed device from any point on the globe, regardless of the health or status of the OS or the network connection to those devices. This software effortlessly extends the IBM GCM16 and GCM32 KVM and serial management capabilities to include support for blades, embedded service processors, virtual servers, and other 3rd party devices in heterogeneous data center or remote office environments making them more manageable, accessible, extensible, and secure.

This comprehensive control and manageability solution delivers secure, automated, real-time tracking and control of all your physical and virtual servers and embedded technologies providing increased agility and security with a tangible return on investment.

Avocent DSView 3 software features:

- Single, secure, browser-based interface to manage your entire data center or remote office
- Manages both physical and virtual assets
- Hub and spoke architecture for redundancy and real-time synchronization
- 60 day free software support

Conversion options

Following list of options are available to support the 1754 Global Managers.

- Avocent DSView 3 Hub (100 Devices) (46M5379)
- Avocent DSView 3 Standard Pack (500 Devices) (46M5380)
- Avocent DSView 3 Plus Pack (2000 Devices) (46M5381)
- IBM Serial Conversion Option (SCO) (46M5382)
- IBM Virtual Media Conversion Option Gen2 (VCO2) (46M5383)

The conversion options carry a one year limited warranty¹. The Avocent DSView 3 software carries a 60 day free trail and support and then will be supported in warranty by Avocent.

¹For information on the IBM Statement of Limited Warranty, visit http://www.ibm.com/servers/support/machine_warranties/

Alternatively, this information is available through your IBM representative or reseller. Copies are available upon request.

Feature exchange

None

Key prerequisites

Refer to the [Hardware requirements](#) section.

Planned availability date

March 30, 2010, for following:

- IBM Global 2x2x16 Console Manager (1754D1X)
- IBM Global 4x2x32 Console Managers (1754D2X)
- IBM Serial Conversion Option (SCO) (46M5382)
- IBM Virtual Media Conversion Option Gen2 (VCO2) (46M5383)

April 30, 2010, for following:

- Avocent DSView 3 Hub (100 Devices) (46M5379)
- Avocent DSView 3 Standard Pack (500 Devices) (46M5380)
- Avocent DSView 3 Plus Pack (2000 Devices) (46M5381)

Description



1754-D2X

The IBM 2x2x16 and 4x2x32 Console Managers include all the components necessary to set up and control rack servers.

Refer to the [Overview](#) section for details.

Standard IBM 2x2x16 and 4x2x32 Console Managers configurations

Model	Description
1754-D1X	IBM 2x2x16 Console Manager
1754-D2X	IBM 4x2x32 Console Manager

The IBM Global 2x2x16 and 4x2x32 Console Managers can be mounted in one of the following rack cabinets:

- IBM 42U S2 Rack
- IBM 42U Enterprise Rack
- IBM 25U S2 Rack
- IBM 11U Office Enablement kit
- IBM S2 42U Dynamic Standard Rack
- IBM S2 25U Standard Rack

Product positioning

None

Product number

Single Entity Offerings (SEOs)

Description	SEO Number
IBM Global 2x2x16 Console Manager (GCM16)	1754D1X
IBM Global 4x2x32 Console Manager (GCM32)	1754D2X

The following are newly announced features on the specified models of the IBM System x 1754 machine type.

Description	MT	Model	Feature
1754-HC1 IBM 2x2x16 Console Manager (GCM16)	1754	HC1	
1754-HC2 IBM 4x2x32 Console Manager (GCM32)	1754	HC2	
EMEA Long Leadtime Configurations	1754	HC1	1763

		HC2	
Hungary CHW plant 9SH	1754	HC1	1764
		HC2	
Guad CHW plant 9KQ	1754	HC1	1765
		HC2	
ISTC CHW 9K2	1754	HC1	1766
		HC2	
RTP CHW 9NR	1754	HC1	1767
		HC2	
Offload Manufacturing to Guadalajara HVEC	1754	HC1	1768
		HC2	
Offload Manufacturing to RTP HVEC	1754	HC1	1769
		HC2	
Offload Manufacturing to ISTC	1754	HC1	1770
		HC2	
Capacity Scheduling Service	1754	HC1	1772
		HC2	
Custom SLA Scheduling Service	1754	HC1	1796
		HC2	
Custom Asset Tagging - Standard	1754	HC1	2200
		HC2	
Custom Asset Tagging - Enhanced	1754	HC1	2201
		HC2	
Request for Global Trade Number (UPC or EAN)	1754	HC1	2207
		HC2	
Custom Labeling	1754	HC1	2220
		HC2	
Custom Palletization	1754	HC1	2221
		HC2	
Rack Installation of 1U Component	1754	HC1	2305
		HC2	
Rack Installation of 1U Component in iDataPlex™	1754	HC1	2313
		HC2	
Department of Defense UID Label	1754	HC1	2320
		HC2	
Rack 01	1754	HC1	3101
		HC2	
Rack 02	1754	HC1	3102
		HC2	
Rack 03	1754	HC1	3103
		HC2	
Rack 04	1754	HC1	3104
		HC2	
Rack 05	1754	HC1	3105
		HC2	
Rack 06	1754	HC1	3106
		HC2	
Rack 07	1754	HC1	3107
		HC2	
Rack 08	1754	HC1	3108
		HC2	
Rack 09	1754	HC1	3109
		HC2	
Rack 10	1754	HC1	3110
		HC2	
Rack 11	1754	HC1	3111
		HC2	
Rack 12	1754	HC1	3112
		HC2	
Rack 13	1754	HC1	3113
		HC2	
Rack 14	1754	HC1	3114
		HC2	
Rack 15	1754	HC1	3115
		HC2	
Rack 16	1754	HC1	3116
		HC2	
Rack 17	1754	HC1	3117
		HC2	
Rack 18	1754	HC1	3118
		HC2	
Rack 19	1754	HC1	3119
		HC2	

Rack 20	1754	HC1	3120
		HC2	
Rack 21	1754	HC1	3121
		HC2	
Rack 22	1754	HC1	3122
		HC2	
Rack 23	1754	HC1	3123
		HC2	
Rack 24	1754	HC1	3124
		HC2	
Rack 25	1754	HC1	3125
		HC2	
Rack 26	1754	HC1	3126
		HC2	
Rack 27	1754	HC1	3127
		HC2	
Rack 28	1754	HC1	3128
		HC2	
Rack 29	1754	HC1	3129
		HC2	
Rack 30	1754	HC1	3130
		HC2	
Rack 31	1754	HC1	3131
		HC2	
Rack 32	1754	HC1	3132
		HC2	
Rack 33	1754	HC1	3133
		HC2	
Rack 34	1754	HC1	3134
		HC2	
Rack 35	1754	HC1	3135
		HC2	
Rack 36	1754	HC1	3136
		HC2	
Rack 37	1754	HC1	3137
		HC2	
Rack 38	1754	HC1	3138
		HC2	
Rack 39	1754	HC1	3139
		HC2	
Rack 40	1754	HC1	3140
		HC2	
Rack 41	1754	HC1	3141
		HC2	
Rack 42	1754	HC1	3142
		HC2	
Rack 43	1754	HC1	3143
		HC2	
Rack 44	1754	HC1	3144
		HC2	
Rack 45	1754	HC1	3145
		HC2	
Rack 46	1754	HC1	3146
		HC2	
Rack 47	1754	HC1	3147
		HC2	
Rack 48	1754	HC1	3148
		HC2	
Rack 49	1754	HC1	3149
		HC2	
Rack 50	1754	HC1	3150
		HC2	
Rack 51	1754	HC1	3151
		HC2	
Rack 52	1754	HC1	3152
		HC2	
Rack 53	1754	HC1	3153
		HC2	
Rack 54	1754	HC1	3154
		HC2	
Rack 55	1754	HC1	3155
		HC2	
Rack 56	1754	HC1	3156
		HC2	

Rack 57	1754	HC1	3157
		HC2	
Rack 58	1754	HC1	3158
		HC2	
Rack 59	1754	HC1	3159
		HC2	
Rack 60	1754	HC1	3160
		HC2	
Rack 61	1754	HC1	3161
		HC2	
Rack 62	1754	HC1	3162
		HC2	
Rack 63	1754	HC1	3163
		HC2	
Rack 64	1754	HC1	3164
		HC2	
Rack location U01	1754	HC1	3201
		HC2	
Rack location U02	1754	HC1	3202
		HC2	
Rack location U03	1754	HC1	3203
		HC2	
Rack location U04	1754	HC1	3204
		HC2	
Rack location U05	1754	HC1	3205
		HC2	
Rack location U06	1754	HC1	3206
		HC2	
Rack location U07	1754	HC1	3207
		HC2	
Rack location U08	1754	HC1	3208
		HC2	
Rack location U09	1754	HC1	3209
		HC2	
Rack location U10	1754	HC1	3210
		HC2	
Rack location U11	1754	HC1	3211
		HC2	
Rack location U12	1754	HC1	3212
		HC2	
Rack location U13	1754	HC1	3213
		HC2	
Rack location U14	1754	HC1	3214
		HC2	
Rack location U15	1754	HC1	3215
		HC2	
Rack location U16	1754	HC1	3216
		HC2	
Rack location U17	1754	HC1	3217
		HC2	
Rack location U18	1754	HC1	3218
		HC2	
Rack location U19	1754	HC1	3219
		HC2	
Rack location U20	1754	HC1	3220
		HC2	
Rack location U21	1754	HC1	3221
		HC2	
Rack location U22	1754	HC1	3222
		HC2	
Rack location U23	1754	HC1	3223
		HC2	
Rack location U24	1754	HC1	3224
		HC2	
Rack location U25	1754	HC1	3225
		HC2	
Rack location U26	1754	HC1	3226
		HC2	
Rack location U27	1754	HC1	3227
		HC2	
Rack location U28	1754	HC1	3228
		HC2	
Rack location U29	1754	HC1	3229
		HC2	

Rack location U30	1754	HC1	3230
		HC2	
Rack location U31	1754	HC1	3231
		HC2	
Rack location U32	1754	HC1	3232
		HC2	
Rack location U33	1754	HC1	3233
		HC2	
Rack location U34	1754	HC1	3234
		HC2	
Rack location U35	1754	HC1	3235
		HC2	
Rack location U36	1754	HC1	3236
		HC2	
Rack location U37	1754	HC1	3237
		HC2	
Rack location U38	1754	HC1	3238
		HC2	
Rack location U39	1754	HC1	3239
		HC2	
Rack location U40	1754	HC1	3240
		HC2	
Rack location U41	1754	HC1	3241
		HC2	
Rack location U42	1754	HC1	3242
		HC2	
Rack location A	1754	HC1	3251
		HC2	
Rack location B	1754	HC1	3252
		HC2	
Rack location C	1754	HC1	3253
		HC2	
Rack location D	1754	HC1	3254
		HC2	
Rack location E	1754	HC1	3255
		HC2	
Rack location F	1754	HC1	3256
		HC2	
Rack location T	1754	HC1	3259
		HC2	
1.5m KVM Conv Option Pack	1754	HC1	3754
		HC2	
1.5M USB Conv Option Pack	1754	HC1	3756
		HC2	
IBM Single Cable USB Conversion Option (UCO)	1754	HC1	3757
		HC2	
Virtual Media Conversion Option	1754	HC1	3758
		HC2	
1.8m Black Cat5e Cable	1754	HC1	3760
		HC2	
3m Black Cat5e Cable	1754	HC1	3761
		HC2	
10m Black Cat5e Cable	1754	HC1	3762
		HC2	
0.6m Yellow Cat5e Cable	1754	HC1	3791
		HC2	
1.5m Yellow Cat5e Cable	1754	HC1	3792
		HC2	
3m Yellow Cat5e Cable	1754	HC1	3793
		HC2	
10m Yellow Cat5e Cable	1754	HC1	3794
		HC2	
25m Yellow Cat5e Cable	1754	HC1	3795
		HC2	
0.6m Green Cat5e Cable	1754	HC1	3796
		HC2	
1.5m Green Cat5e Cable	1754	HC1	3797
		HC2	
3m Green Cat5e Cable	1754	HC1	3798
		HC2	
10m Green Cat5e Cable	1754	HC1	3799
		HC2	
25m Green Cat5e Cable	1754	HC1	3800
		HC2	

0.6m Blue Cat5e Cable	1754	HC1	3801
		HC2	
1.5m Blue Cat5e Cable	1754	HC1	3802
		HC2	
3m Blue Cat5e Cable	1754	HC1	3803
		HC2	
10m Blue Cat5e Cable	1754	HC1	3804
		HC2	
25m Blue Cat5e Cable	1754	HC1	3805
		HC2	
Avocent DSView 3 Hub (100 Devices)	1754	HC1	4170
		HC2	
Avocent DSView 3 Standard Pack (500 Devices)	1754	HC1	4171
		HC2	
Avocent DSView 3 Plus Pack (2000 Devices)	1754	HC1	4172
		HC2	
IBM Serial Conversion Option (SCO)	1754	HC1	5340
		HC2	
IBM Virtual Media Conversion Option G2 (VCO2)	1754	HC1	5341
		HC2	
iDataPlex Rack Mount Kit for Console Managers	1754	HC1	5886
		HC2	
SOFS Solution Code MFG Instruction	1754	HC1	6124
		HC2	
SAP-BWA Solution Code MFG Instruction	1754	HC1	6125
		HC2	
InfoSphere-BWA Solution Code MFG Instruction	1754	HC1	6126
		HC2	
GMAS Solution Code MFG Instruction	1754	HC1	6127
		HC2	
IBW-SSD Solution Code MFG Instruction	1754	HC1	6128
		HC2	
Cloudburst Solution Code MFG Instruction	1754	HC1	6129
		HC2	
SoNAS Solution Code MFG Instruction	1754	HC1	6130
		HC2	
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1754	HC1	6201
		HC2	
2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	1754	HC1	6204
		HC2	
Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	1754	HC1	6207
		HC2	
4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1754	HC1	6263
		HC2	
2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	1754	HC1	6311
		HC2	
2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	1754	HC1	6313
		HC2	
Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)	1754	HC1	6369
		HC2	
IBM Global 2X2X16 Console Manager (GCM16)	1754	HC1	6694
IBM Global 4X2X32 Console Manager (GCM32)	1754	HC2	6695
System x iDataPlex Solution	1754	HC1	7018
		HC2	
Datacenter UV Program Offering	1754	HC1	7827
		HC2	
Datacenter UV w/ High Availability Program Offering	1754	HC1	7828
		HC2	
Customer Solution Center Services	1754	HC1	7831
		HC2	
e1350 Special Bid Solution Component	1754	HC1	7929
		HC2	
xSeries Datacenter Scalable Solution	1754	HC1	8024
		HC2	
Consolidate Shipment	1754	HC1	8031
		HC2	

e1350 Solution Component	1754	HC1	8034
		HC2	
xSeries Datacenter High Availability Solution	1754	HC1	8035
		HC2	
TAA Compliant Order	1754	HC1	8067
		HC2	
General Racking Solution	1754	HC1	8072
		HC2	
No Publications Selected	1754	HC1	8086
		HC2	
Integrate in manufacturing	1754	HC1	8971
		HC2	
Ship Uninstalled (Safety)	1754	HC1	8972
		HC2	

Option SEO

Description	SEO number
Avocent DSView 3 Hub (100 Devices)	46M5379
Avocent DSView 3 Standard Pack (500 Devices)	46M5380
Avocent DSView 3 Plus Pack (2000 Devices)	46M5381
IBM Serial Conversion Option (SCO)	46M5382
IBM Virtual Media Conversion Option Gen2 (VC02)	46M5383

Note: Following do not apply to other products in this announcement. Announcement is being used to get option/feature announced.

Model conversions

None

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=110-043>

Publications

The following publication is shipped with the products. Additional copies are available immediately.

Title

IBM 1754 Global Console Manager Brochure

To assist you in configuring System x servers with IBM 2x2x16 and 4x2x32 Console Managers, the following configurators are available:

- System x and IntelliStation® Sales Configuration Aid
- Configuration and Options Guide
- Rack Configurator

To obtain information and download these configurators, visit

<http://www-03.ibm.com/systems/x/configtools.html>

Services

Global Technology Services

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.

System x and BladeCenter support services

Recommended core technical support

When you buy IBM System x technology, include the support services you need -- to help keep both your hardware and software working for you, day after day, at peak performance. It's your first step toward helping to protect your investment and sustain high levels of system availability. We offer service-level and response-time options to fit your business needs. And we'll help you get started with a core support package that includes:

- **Continuous system monitoring**

Electronic monitoring that helps speed up problem-solving with automated, early detection of potential problems and system errors.

- **Hardware maintenance**

World-class remote and on-site hardware problem determination and repair services.

- **Software technical support**

Access to help line calls for fast, accurate answers to your questions during installation and throughout ongoing operations.

For more information, visit

<http://www.ibm.com/servers/eserver/xseries/services.html>

Technical information

Specified operating environment

Standards

The following products are announcing on March 16, 2010.

- IBM Global 2x2x16 Console Manager (CGM16) (1754D1X)
- IBM Global 4x2x32 Console Manager (CGM32) (1754D2X)
- Avocent DSView 3 Hub (100 Devices) (46M5379)
- Avocent DSView 3 Standard Pack (500 Devices) (46M5380)
- Avocent DSView 3 Plus Pack (2000 Devices) (46M5381)
- IBM Serial Conversion Option (SCO) (46M5382)
- IBM Virtual Media Conversion Option Gen2 (VCO2) (46M5383)

Operating environment

- Temperature: 0° to 50° C (32° to 122° F) at 0 to 3048 m
- Relative humidity: 20% to 80% (noncondensing)

Hardware requirements

The IBM 2x2x16 and 4x2x32 Console Managers can be mounted in one of the following rack cabinets:

- IBM 42U S2 Rack
- IBM 42U Enterprise Rack
- IBM 25U S2 Rack
- IBM 11U Office Enablement kit
- IBM S2 42U Dynamic Standard Rack
- IBM S2 25U Standard Rack

The conversion options and Avocent DSView 3 Options are used to support the new 1754 Global Console Managers.

Software requirements

The IBM 2x2x16 and 4x2x32 Console Managers are supported by the operating systems of the System x server to which they are attached.

Compatibility

None

User group requirements

This announcement satisfies or partially satisfies the requirements from one or more of the worldwide user group communities. Groups include COMMON, COMMON Europe, Guide Share Europe (GSE), InterAction (Australia/New Zealand), Japan Guide Share (JGS), and SHARE Inc.

Planning information

Customer responsibilities

IBM 2x2x16 and 4x2x32 Console Managers

The IBM 2x2x16 and 4x2x32 Console Managers are designated as customer setup. Customer setup instructions are shipped with each system.

Conversion options and Avocent DSView 3 Devices

These products are designated to support the console managers and are customer setup.

Cable orders

The IBM Console Managers use the IBM 3m Console Switch Cable or the short KCO cable, long UCO cable, or Cat5e cable. The managers do not support the ECO cables.

Installability

The IBM 2x2x16 and 4x2x32 Console Managers require about 15 minutes for installation. Installation includes unpacking, setting up, and powering on switches.

Packaging

IBM 2x2x16 and 4x2x32 Console Managers

Product	Package description	Boxes
IBM Global 2x2x16 Console Manager	System unit carton	1
IBM Global 4x2x32 Console Manager	System unit carton	1

The IBM 2x2x16 and 4x2x32 Console Managers are shipped as a single package.

IBM Console Manager

Packaging

One box

Shipment group

IBM 2x2x16 Console Manager

- 16-port switch assembly
- Mounting hardware for EIA space and rack sidewall compartment
- 1U filler panel
- 2 C13/C14 rack power cables
- Adapter RJ45-DB9F DCE CAT 5 (Setup Port)
- Adapter RJ45-DB9M DTE CAT 5 (Modem)
- Installation publications and warranty

IBM 4x2x32 Console Manager

- 32-port switch assembly
- Mounting hardware for EIA space and rack sidewall compartment
- 1U filler panel
- 2 C13/C14 rack power cable
- Adapter RJ45-DB9F DCE CAT 5 (Setup Port)
- Adapter RJ45-DB9M DTE CAT 5 (Modem)
- Installation publications and warranty

Packaging dimensions/weight

- Single box (HxDxW): 197 mm (7.75 in) x 324 mm (12.75 in) x 559 mm (22.0 in)
- Package weight: 6.58 kg (14.5 lb)

Supplies

For end users

The IBM 1754 Global Managers and options can be purchased through dealers around the world.

Security, auditability, and control

This product uses the security and auditability features of the host hardware, host software, and application software.

It is a customer's responsibility to ensure that the server is secure to prevent sensitive data from being removed.

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

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

Terms and conditions

IBM Global Financing

Yes

To obtain copies of the IBM Statement of Limited Warranty, contact your reseller or IBM. In the United States, call 800-IBM-SERV (426-7378), or write to:

Warranty Information
P.O. Box 12195
Research Triangle Park, NC 27709

Attn: Dept JDJA/B203

Warranty period

- Console hardware - Three year
- Options - One year

Note: The software supplier/vendor Avocent will be providing the software support for the following:

- Avocent DSView 3 Hub (100 Devices) (46M5379)
- Avocent DSView 3 Standard Pack (500 Devices) (46M5380)
- Avocent DSView 3 Plus Pack (2000 Devices) (46M5381)

Optional IBM features initially installed in an IBM system carry the same warranty period as the system. If installed after the initial system installation, they carry the balance of the system warranty or the optional feature warranty, whichever is greater.

The following has been designated as a consumable or supply item and is, therefore, not covered by this warranty:

- Battery

Warranty service

If required, IBM provides repair or exchange service, depending on the type of warranty service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country- and location-specific information.

The type of service is Customer Replaceable Unit (for example, keyboard, mouse, speaker, memory, or hard disk drive) Service and On-site Service.

Customer Replaceable Unit (CRU) Service

IBM provides a replacement CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request. A CRU is designated as being either a Tier 1 (mandatory) or a Tier 2 (optional) CRU. Installation of Tier 1 CRUs, as specified in this announcement, is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation. You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge, under the type of warranty service specified below, On-site Service.

Based upon availability, a CRU will be shipped for next business day (NBD) delivery. IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

The following parts have been designated as Tier 1 CRUs:

- 46M5382 IBM Serial Conversion Option (SCO)

- 46M5383 IBM Virtual Media Conversion Option Gen2 (VCO2)
- 1754D1X IBM Global 2x2x16 Console Manager (CGM16)
- 1754D2X IBM Global 4x2x32 Console Manager (CGM32)
- Power cord

On-site Service

This provides On-site Repair, 9 hours per day, Monday through Friday excluding holidays, NBD response. IBM or your reseller will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. On-site Service is not available in all countries, and some countries have kilometer or mileage limitations from an IBM service center. In those locations where On-site Service is not available, the normal in-country service delivery is used.

Call IBM at 1-800-IBM-SERV (426-7378) to assist with problem isolation for hardware to determine if warranty service is required. Telephone support may be subject to additional charges, even during the limited warranty period.

Calls must be received by 5:00 p.m. local time in order to qualify for NBD service.

International Warranty Service

International Warranty Service (IWS) is available in selected countries or regions.

The warranty service type and the service level provided in the servicing country may be different from that provided in the country in which the machine was purchased.

Under IWS, warranty service will be provided with the prevailing warranty service type and service level available for the IWS-eligible machine type in the servicing country, and the warranty period observed will be that of the country in which the machine was purchased.

To determine the eligibility of your machine and to view a list of countries where service is available, visit

<http://www-304.ibm.com/jct01004c/systems/support/supportsite.wss/warrantyform?brandind=5000008>

For more information on IWS, refer to Services Announcement 601-034, dated September 25, 2001.

Licensing

Programs included with this product are licensed under the terms and conditions of the License Agreements that are shipped with the system.

Maintenance services

ServicePac , ServiceSuite , ServiceElect, and ServiceElite

ServicePac®, ServiceSuite™, ServiceElect, and ServiceElite provide hardware warranty service upgrades, maintenance, and selected support services in one agreement.

Warranty service upgrade

During the warranty period, a warranty service upgrade provides an enhanced level of On-site Service for an additional charge. A warranty service upgrade must be purchased during the warranty period and is for a fixed term (duration). It is not refundable or transferable and may not be prorated. If required, IBM will provide

the warranty service upgrade enhanced level of On-site Service acquired by the customer. Service levels are response-time objectives and are not guaranteed.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

CRUs will be provided as part of the machine's standard warranty CRU Service except that you may install a Tier 1 CRU yourself or request IBM installation, at no additional charge, under one of the On-site Service levels specified below.

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Maintenance service

If required, IBM provides repair or exchange service, depending on the type of maintenance service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed.

CRU Service

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request.

IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

On-site Service

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Maintenance service (ICA)

Maintenance services are available for ICA legacy contracts.

Alternative service (warranty service upgrades)

During the warranty period, a warranty service upgrade provides an enhanced level of On-site Service for an additional charge. A warranty service upgrade must be purchased during the warranty period and is for a fixed term (duration). It is not refundable or transferable and may not be prorated. If required, IBM will provide the warranty service upgrade enhanced level of On-site Service acquired by the customer. Service levels are response-time objectives and are not guaranteed.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

A CRU will be provided as part of the machine's standard warranty CRU Service except that you may install a Tier 1 CRU yourself or request IBM to install it, at no additional charge, under the type of warranty service specified below, On-site Service.

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Maintenance service

If required, IBM provides repair or exchange service, depending on the type of maintenance service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed.

CRU Service

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request.

IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

On-site Service

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Non-IBM parts support

Warranty service

IBM is now shipping machines with selected non-IBM parts that contain an IBM field replaceable unit (FRU) part number label. These parts are to be serviced during the IBM machine warranty period. IBM is covering the service on these selected non-IBM parts as an accommodation to its customers, and normal warranty service procedures for the IBM machine apply.

Warranty service upgrades and maintenance services

Under certain conditions, IBM Integrated Technology Services repairs selected non-IBM parts at no additional charge for machines that are covered under warranty service upgrades or maintenance services.

IBM Service provides hardware problem determination on non-IBM parts (for example, adapter cards, PCMCIA cards, disk drives, or memory) installed within IBM machines covered under warranty service upgrades or maintenance services and provides the labor to replace the failing parts at no additional charge.

If IBM has a Technical Service Agreement with the manufacturer of the failing part, or if the failing part is an accommodations part (a part with an IBM FRU label), IBM may also source and replace the failing part at no additional charge. For all other non-IBM parts, customers are responsible for sourcing the parts. Installation labor is provided at no additional charge, if the machine is covered under a warranty service upgrade or a maintenance service.

Warranty service upgrades

IBM hourly service rate classification

One

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

These products do not contain Licensed Internal Code or Licensed Machine Code.

Educational allowance

None

Prices

For current prices, contact IBM at 888-Shop-IBM (746-7426) or visit

<http://www-03.ibm.com/systems/x/>

The following are newly announced features on the specified models of the IBM System x 1754 machine type.

Description	Model Number	Feature Number	Initial/ MES/ Both/ Support
EMEA Long Leadtime Configurations	HC1	1763	Initial
	HC2		Initial
Hungary CHW plant 9SH	HC1	1764	Initial
	HC2		Initial
Guad CHW plant 9KQ	HC1	1765	Initial

	HC2		Initial
ISTC CHW 9K2	HC1	1766	Initial
	HC2		Initial
RTP CHW 9NR	HC1	1767	Initial
	HC2		Initial
Offload Manufacturing to Guadalajara	HVEC		
	HC1	1768	Initial
	HC2		Initial
Offload Manufacturing to RTP	HVEC		
	HC1	1769	Initial
	HC2		Initial
Offload Manufacturing to ISTC	HC1	1770	Initial
	HC2		Initial
Capacity Scheduling Service	HC1	1772	Initial
	HC2		Initial
Custom SLA Scheduling Service	HC1	1796	Initial
	HC2		Initial
Custom Asset Tagging - Standard	HC1	2200	Initial
	HC2		Initial
Custom Asset Tagging - Enhanced	HC1	2201	Initial
	HC2		Initial
Request for Global Trade Number (UPC or EAN)	HC1	2207	Initial
	HC2		Initial
Custom Labeling	HC1	2220	Initial
	HC2		Initial
Custom Palletization	HC1	2221	Initial
	HC2		Initial
Rack Installation of 1U Component	HC1	2305	Initial
	HC2		Initial
Rack Installation of 1U Component in iDataPlex	HC1	2313	Initial
	HC2		Initial
Department of Defense UID Label	HC1	2320	Initial
	HC2		Initial
Rack 01	HC1	3101	Initial
	HC2		Initial
Rack 02	HC1	3102	Initial
	HC2		Initial
Rack 03	HC1	3103	Initial
	HC2		Initial
Rack 04	HC1	3104	Initial
	HC2		Initial
Rack 05	HC1	3105	Initial
	HC2		Initial
Rack 06	HC1	3106	Initial
	HC2		Initial
Rack 07	HC1	3107	Initial
	HC2		Initial
Rack 08	HC1	3108	Initial
	HC2		Initial
Rack 09	HC1	3109	Initial
	HC2		Initial
Rack 10			

	HC1	3110	Initial
	HC2		Initial
Rack 11			
	HC1	3111	Initial
	HC2		Initial
Rack 12			
	HC1	3112	Initial
	HC2		Initial
Rack 13			
	HC1	3113	Initial
	HC2		Initial
Rack 14			
	HC1	3114	Initial
	HC2		Initial
Rack 15			
	HC1	3115	Initial
	HC2		Initial
Rack 16			
	HC1	3116	Initial
	HC2		Initial
Rack 17			
	HC1	3117	Initial
	HC2		Initial
Rack 18			
	HC1	3118	Initial
	HC2		Initial
Rack 19			
	HC1	3119	Initial
	HC2		Initial
Rack 20			
	HC1	3120	Initial
	HC2		Initial
Rack 21			
	HC1	3121	Initial
	HC2		Initial
Rack 22			
	HC1	3122	Initial
	HC2		Initial
Rack 23			
	HC1	3123	Initial
	HC2		Initial
Rack 24			
	HC1	3124	Initial
	HC2		Initial
Rack 25			
	HC1	3125	Initial
	HC2		Initial
Rack 26			
	HC1	3126	Initial
	HC2		Initial
Rack 27			
	HC1	3127	Initial
	HC2		Initial
Rack 28			
	HC1	3128	Initial
	HC2		Initial
Rack 29			
	HC1	3129	Initial
	HC2		Initial
Rack 30			
	HC1	3130	Initial
	HC2		Initial
Rack 31			
	HC1	3131	Initial
	HC2		Initial
Rack 32			
	HC1	3132	Initial
	HC2		Initial
Rack 33			
	HC1	3133	Initial
	HC2		Initial
Rack 34			
	HC1	3134	Initial
	HC2		Initial

Rack 35	HC1	3135	Initial
	HC2		Initial
Rack 36	HC1	3136	Initial
	HC2		Initial
Rack 37	HC1	3137	Initial
	HC2		Initial
Rack 38	HC1	3138	Initial
	HC2		Initial
Rack 39	HC1	3139	Initial
	HC2		Initial
Rack 40	HC1	3140	Initial
	HC2		Initial
Rack 41	HC1	3141	Initial
	HC2		Initial
Rack 42	HC1	3142	Initial
	HC2		Initial
Rack 43	HC1	3143	Initial
	HC2		Initial
Rack 44	HC1	3144	Initial
	HC2		Initial
Rack 45	HC1	3145	Initial
	HC2		Initial
Rack 46	HC1	3146	Initial
	HC2		Initial
Rack 47	HC1	3147	Initial
	HC2		Initial
Rack 48	HC1	3148	Initial
	HC2		Initial
Rack 49	HC1	3149	Initial
	HC2		Initial
Rack 50	HC1	3150	Initial
	HC2		Initial
Rack 51	HC1	3151	Initial
	HC2		Initial
Rack 52	HC1	3152	Initial
	HC2		Initial
Rack 53	HC1	3153	Initial
	HC2		Initial
Rack 54	HC1	3154	Initial
	HC2		Initial
Rack 55	HC1	3155	Initial
	HC2		Initial
Rack 56	HC1	3156	Initial
	HC2		Initial
Rack 57	HC1	3157	Initial
	HC2		Initial
Rack 58	HC1	3158	Initial
	HC2		Initial
Rack 59	HC1	3159	Initial

	HC2		Initial
Rack 60	HC1	3160	Initial
	HC2		Initial
Rack 61	HC1	3161	Initial
	HC2		Initial
Rack 62	HC1	3162	Initial
	HC2		Initial
Rack 63	HC1	3163	Initial
	HC2		Initial
Rack 64	HC1	3164	Initial
	HC2		Initial
Rack location U01	HC1	3201	Initial
	HC2		Initial
Rack location U02	HC1	3202	Initial
	HC2		Initial
Rack location U03	HC1	3203	Initial
	HC2		Initial
Rack location U04	HC1	3204	Initial
	HC2		Initial
Rack location U05	HC1	3205	Initial
	HC2		Initial
Rack location U06	HC1	3206	Initial
	HC2		Initial
Rack location U07	HC1	3207	Initial
	HC2		Initial
Rack location U08	HC1	3208	Initial
	HC2		Initial
Rack location U09	HC1	3209	Initial
	HC2		Initial
Rack location U10	HC1	3210	Initial
	HC2		Initial
Rack location U11	HC1	3211	Initial
	HC2		Initial
Rack location U12	HC1	3212	Initial
	HC2		Initial
Rack location U13	HC1	3213	Initial
	HC2		Initial
Rack location U14	HC1	3214	Initial
	HC2		Initial
Rack location U15	HC1	3215	Initial
	HC2		Initial
Rack location U16	HC1	3216	Initial
	HC2		Initial
Rack location U17	HC1	3217	Initial
	HC2		Initial
Rack location U18	HC1	3218	Initial
	HC2		Initial
Rack location U19	HC1	3219	Initial
	HC2		Initial
Rack location U20			

	HC1	3220	Initial
	HC2		Initial
Rack location U21			
	HC1	3221	Initial
	HC2		Initial
Rack location U22			
	HC1	3222	Initial
	HC2		Initial
Rack location U23			
	HC1	3223	Initial
	HC2		Initial
Rack location U24			
	HC1	3224	Initial
	HC2		Initial
Rack location U25			
	HC1	3225	Initial
	HC2		Initial
Rack location U26			
	HC1	3226	Initial
	HC2		Initial
Rack location U27			
	HC1	3227	Initial
	HC2		Initial
Rack location U28			
	HC1	3228	Initial
	HC2		Initial
Rack location U29			
	HC1	3229	Initial
	HC2		Initial
Rack location U30			
	HC1	3230	Initial
	HC2		Initial
Rack location U31			
	HC1	3231	Initial
	HC2		Initial
Rack location U32			
	HC1	3232	Initial
	HC2		Initial
Rack location U33			
	HC1	3233	Initial
	HC2		Initial
Rack location U34			
	HC1	3234	Initial
	HC2		Initial
Rack location U35			
	HC1	3235	Initial
	HC2		Initial
Rack location U36			
	HC1	3236	Initial
	HC2		Initial
Rack location U37			
	HC1	3237	Initial
	HC2		Initial
Rack location U38			
	HC1	3238	Initial
	HC2		Initial
Rack location U39			
	HC1	3239	Initial
	HC2		Initial
Rack location U40			
	HC1	3240	Initial
	HC2		Initial
Rack location U41			
	HC1	3241	Initial
	HC2		Initial
Rack location U42			
	HC1	3242	Initial
	HC2		Initial
Rack location A			
	HC1	3251	Initial
	HC2		Initial
Rack location B			
	HC1	3252	Initial
	HC2		Initial

Rack location C	HC1	3253	Initial
	HC2		Initial
Rack location D	HC1	3254	Initial
	HC2		Initial
Rack location E	HC1	3255	Initial
	HC2		Initial
Rack location F	HC1	3256	Initial
	HC2		Initial
Rack location T	HC1	3259	Initial
	HC2		Initial
1.5m KVM Conv Option Pack	HC1	3754	Initial
	HC2		Initial
1.5M USB Conv Option Pack	HC1	3756	Initial
	HC2		Initial
IBM Single Cable USB Conversion Option (UCO)	HC1	3757	Initial
	HC2		Initial
Virtual Media Conversion Option	HC1	3758	Initial
	HC2		Initial
1.8m Black Cat5e Cable	HC1	3760	Initial
	HC2		Initial
3m Black Cat5e Cable	HC1	3761	Initial
	HC2		Initial
10m Black Cat5e Cable	HC1	3762	Initial
	HC2		Initial
0.6m Yellow Cat5e Cable	HC1	3791	Initial
	HC2		Initial
1.5m Yellow Cat5e Cable	HC1	3792	Initial
	HC2		Initial
3m Yellow Cat5e Cable	HC1	3793	Initial
	HC2		Initial
10m Yellow Cat5e Cable	HC1	3794	Initial
	HC2		Initial
25m Yellow Cat5e Cable	HC1	3795	Initial
	HC2		Initial
0.6m Green Cat5e Cable	HC1	3796	Initial
	HC2		Initial
1.5m Green Cat5e Cable	HC1	3797	Initial
	HC2		Initial
3m Green Cat5e Cable	HC1	3798	Initial
	HC2		Initial
10m Green Cat5e Cable	HC1	3799	Initial
	HC2		Initial
25m Green Cat5e Cable	HC1	3800	Initial
	HC2		Initial
0.6m Blue Cat5e Cable	HC1	3801	Initial
	HC2		Initial
1.5m Blue Cat5e Cable	HC1	3802	Initial
	HC2		Initial
3m Blue Cat5e Cable	HC1	3803	Initial

	HC2		Initial
10m Blue Cat5e Cable	HC1	3804	Initial
	HC2		Initial
25m Blue Cat5e Cable	HC1	3805	Initial
	HC2		Initial
Avocent DSView 3 Hub (100 Devices)	HC1	4170	Initial
	HC2		Initial
Avocent DSView 3 Standard Pack (500 Devices)	HC1	4171	Initial
	HC2		Initial
Avocent DSView 3 Plus Pack (2000 Devices)	HC1	4172	Initial
	HC2		Initial
IBM Serial Conversion Option (SCO)	HC1	5340	Initial
	HC2		Initial
IBM Virtual Media Conversion Option G2 (VCO2)	HC1	5341	Initial
	HC2		Initial
iDataPlex Rack Mount Kit for Console Managers	HC1	5886	Initial
	HC2		Initial
SOFS Solution Code MFG Instruction	HC1	6124	Initial
	HC2		Initial
SAP-BWA Solution Code MFG Instruction	HC1	6125	Initial
	HC2		Initial
Infosphere-BWA Solution Code MFG Instruction	HC1	6126	Initial
	HC2		Initial
GMAS Solution Code MFG Instruction	HC1	6127	Initial
	HC2		Initial
IBW-SSD Solution Code MFG Instruction	HC1	6128	Initial
	HC2		Initial
Cloudburst Solution Code MFG Instruction	HC1	6129	Initial
	HC2		Initial
SoNAS Solution Code MFG Instruction	HC1	6130	Initial
	HC2		Initial
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	HC1	6201	Initial
	HC2		Initial
2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	HC1	6204	Initial
	HC2		Initial
Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	HC1	6207	Initial
	HC2		Initial
4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	HC1	6263	Initial
	HC2		Initial
2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	HC1	6311	Initial
	HC2		Initial
2.8m, 10A/120V, C13 to NEMA 5-15P (US) Line Cord	HC1	6313	Initial
	HC2		Initial
Line cord - 1.8M, 10A/125V, C13 to NEMA 5-15P (US)	HC1	6369	Initial
	HC2		Initial

IBM Global 2X2X16 Console Manager (GCM16)			
	HC1	6694	Initial
IBM Global 4X2X32 Console Manager (GCM32)			
	HC2	6695	Initial
System x iDataPlex Solution			
	HC1	7018	Initial
	HC2		Initial
Datacenter UV Program Offering			
	HC1	7827	Initial
	HC2		Initial
Datacenter UV w/ High Availability Program Offering			
	HC1	7828	Initial
	HC2		Initial
Customer Solution Center Services			
	HC1	7831	Initial
	HC2		Initial
e1350 Special Bid Solution Component			
	HC1	7929	Initial
	HC2		Initial
xSeries Datacenter Scalable Solution			
	HC1	8024	Initial
	HC2		Initial
Consolidate Shipment			
	HC1	8031	Initial
	HC2		Initial
e1350 Solution Component			
	HC1	8034	Initial
	HC2		Initial
xSeries Datacenter High Availability Solution			
	HC1	8035	Initial
	HC2		Initial
TAA Compliant Order			
	HC1	8067	Initial
	HC2		Initial
General Racking Solution			
	HC1	8072	Initial
	HC2		Initial
No Publications Selected			
	HC1	8086	Initial
	HC2		Initial
Integrate in manufacturing			
	HC1	8971	Initial
	HC2		Initial
Ship Uninstalled (Safety)			
	HC1	8972	Initial
	HC2		Initial

Option SEO

Description	SEO number
Avocent DSView 3 Hub (100 Devices)	46M5379
Avocent DSView 3 Standard Pack (500 devices)	46M5380
Avocent DSView 3 Plus Pack (2000 Devices)	46M5381
IBM Serial Conversion Option (SCO)	46M5382
IBM Virtual Media Conversion Option Gen2 (VC02)	46M5383

Note: Following do not apply to other products in this announcement. Announcement is being used to get option/feature announced.

Description	Part Number
LineCord 4.3M,16A/250V C19 to NBR 6147 (Brazil)	69Y1989
LineCord 2.8M,10A/250V C13 to NBR 6147 (Brazil)	69Y1988

The Single Entity Offerings (SEO)

Description	SEO number
IBM 2x2x16 Console Manager	1754D1X
IBM 4x2x32 Console Manager	1754D2X
Avocent DSView 3 Hub (100 Devices)	46M5379
Avocent DSView 3 Standard Pack (500 Devices)	46M5380
Avocent DSView 3 Plus Pack (2000 Devices)	46M5381
IBM Serial Conversion Option (SCO)	46M5382
IBM Virtual Media Conversion Option Gen2 (VC02)	46M5383

Maintenance charges

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

For ServiceElect (ESA) maintenance service charges, contact IBM Global Services at 888-IBM-4343 (426-4343).

Note: The software supplier/vendor Avocent will be providing the software support for the following:

- Avocent DSView 3 Hub (100 Devices) (46M5379)
- Avocent DSView 3 Standard Pack (500 Devices) (46M5380)
- Avocent DSView 3 Plus Pack (2000 Devices) (46M5381)

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Corrections

(Corrected on May 24, 2010)

Avocent product names corrected throughout announcement.