



IBM 7316-TF3 Flat Panel Console Kit fits slim monitor in 1U rack space; NetBAY LCM Switch supports up to 64 servers from single console

Overview

In situations where space is constrained, the IBM 7316-TF3 Flat Panel Console Kit offers a space-saving monitor that occupies only 1U (1.75 inches) in a rack. The bright, 17-inch (337.9 mm x 270.3 mm) flat panel color monitor mounts in a 19-inch standard rack drawer, using the flat panel monitor rack-mount kit.

Using thin film transistor (TFT) LCD technology, the monitor features 1280 x 1024 display resolution without the glare of most CRTs.

The Model TF3 replaces the Model TF2.

The IBM Travel Keyboard is a mandatory feature for the 7316-TF3; it mounts in the 7316-TF3 keyboard tray.

The 7316-TF3 also supports the NetBAY LCM Switch (#4202) that allows users single-point access and control of up to 64 servers from a single console. The NetBAY LCM Switch has a maximum video resolution of 1600 x 1280 and mounts in a 1U drawer behind the 7316-TF3 monitor.

Key prerequisites

The 7316-TF3 is available on the following pSeries® and RS/6000® systems:

- pSeries 610 Model 6C1
- pSeries 615 Model 6C3
- pSeries 630 Model 6C4
- pSeries 640 Model B80
- pSeries 650 Model 6M2
- pSeries 655 Model 651
- pSeries 660 Models 6M1/6H1/6H0
- pSeries 670 Model 671
- pSeries 680 Model S85
- pSeries 690 Model 681
- RS/6000 7046-B50
- RS/6000 7025-H70
- RS/6000 7026-H70
- RS/6000 7026-H80
- RS/6000 7026-M80
- RS/6000 7017-S80
- RS/6000 7040-61D
- RS/6000 7311-D10/D20
- RS/6000 7315-CR2

Planned availability date

May 7, 2004

At a glance

The IBM 7316-TF3 Flat Panel Console Kit offers:

- Slim, sleek, lightweight monitor design that occupies only 1U (1.75 inches) in a 19-inch standard rack
- A 17-inch, flat screen TFT monitor with truly accurate images and virtually no distortion
- Ability to mount the IBM Travel Keyboard in the 7316-TF3 rack keyboard tray
- Support for the NetBAY LCM Switch

The NetBAY LCM Switch offers:

- Access to and control of as many as 64 servers
- Support of both USB and PS/2® server-side keyboard and mouse connections

For ordering, contact:

Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

800-IBM-CALL

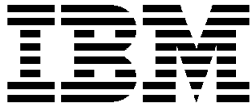
Reference: RE001

Description



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IBM US Announcement Supplemental Information

April 27, 2004

Publications

The following publications are shipped with the IBM 7316-TF3. Additional copies are available immediately.

Title	Order number
IBM 7316-TF3 Flat Panel Monitor Console Kit Installation and Maintenance Guide	SA38-0643
Safety Notices, IBM Server	G229-9054

The publication *IBM 7316-TF3 Flat Panel Monitor Console Kit Installation and Maintenance Guide* will be available after the planned availability date in the following languages:

Language	Order number
U.S. English	SA38-0643
Japanese	SA88-8826
Portuguese	S517-7986
French	SA11-1657
German	SA12-5023
Korean	SA30-2284
Spanish	SA10-5388
Catalan	SA10-7119

The Publication Notification System (PNS) is available by order number. Customers currently subscribing to PNS will receive automatically notifications by e-mail. Customers who want to subscribe can visit the PNS Web site location at

<http://service5.boulder.ibm.com/pnsrege.nsf/WebMessages/welcomeENUS>

The publications listed on the notification can be ordered by calling the Publications Support Group in Raleigh at 800-879-2755, option 1.

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Visit the appropriate link that follows for details on services available dependent on the brand the product belongs to.

- pSeries®:

<http://www.ibm.com/services/its/us/unix.html>

For details on education offerings related to the products listed, visit

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

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

For more details on IBM Global Services capabilities, contact your IBM representative or visit

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

Your IBM representative can help you determine availability of standard and customized services.

Technical information

Physical specifications

- Width: 485 mm (19 in)
- Depth: Approximately 635 mm to 730 mm (25.0 in to 28.74 in)
- Height: 43.0 mm (maximum) (1.7 in)
- Height (opened): 410 mm (maximum) (16.1 in)
- Weight: 12.8 kg (28.2 lb)

LCD Panel

- Size: 432 mm (17 in) diagonal, 337.92 mm (H) x 270.34 mm (V) (13.3 in x 10.6 in)
- Type: a-Si TFT active matrix
- Pixel pitch: 0.264 mm (H) x 0.264 mm (V)

Standards

- CENELEC EN 60950: 1992 Safety of Information Technology Equipment, including Electrical Business Equipment, including amendments A1: 1993, A3: 1995, A4: 1997 and A11: 1997.
- IEC 60950: 1991 + Amendment 1: 1992 + Amendment 2: 1993 + Amendment 4: 1996, Modified.
- EN 50081-1: 1997 Electromagnetic Compatibility — Generic emission standard, Part 1, Residential, commercial, and light industry.
- EN 50082-1: 1997 Electromagnetic Compatibility — Generic immunity standard, Part 1, Residential, commercial, and light industry.
- EN 6100-3-2: 1995 Limits for harmonic current emissions (equipment input current up to and including 16A per phase), Amendment A1: 1998, Amendment A2: 1998, Amendment A14: 2000.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

- EN 6100-3-3: 1995 Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16A.
- CFR No. 47 Telecommunication, October 2000, FCC Part 15, Subpart B, Class B.

Hardware requirements: The IBM 7316-TF3 requires a supported pSeries or RS/6000® system:

- pSeries 610 Model 6C1
- pSeries 615 Model 6C3
- pSeries 630 Model 6C4
- pSeries 640 Model B80
- pSeries 650 Model 6M2
- pSeries 655 Model 651
- pSeries 660 Models 6M1/6H1/6H0
- pSeries 670 Model 671
- pSeries 680 Model S85
- pSeries 690 Model 681
- RS/6000 7046-B50
- RS/6000 7025-H70
- RS/6000 7026-H70
- RS/6000 7026-H80
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- RS/6000 7017-S80
- RS/6000 7040-61D
- RS/6000 7311-D10/D20
- RS/6000 7315-CR2

The NetBAY LCM switch (#4202) requires a 7316-TF3.

Software requirements: When ordering the USB cable (#4269):

- AIX® 5.2 APAR IY53531, or later, or AIX 5.3

Limitations

- IBM 7316-TF3 Flat Panel Console:
 - Requires a keyboard (#6350, #6351, #6353, #6354, #6355, #6356, #6357, #6358, #6361, or #6363)
- NetBAY LCM Switch (#4202):
 - A minimum of one LCM cable (#4268) or USB cable (#4269) is required with a NetBAY LCM Switch (#4202).
 - The LCM cable (#4268) is used with systems with separate keyboard, display, and mouse.
 - The USB cable (#4269) is used with systems with USB keyboard or mouse ports.
 - Each LCM cable (#4268) or USB cable (#4269) contains four cables used to connect up to four servers to the rear of the switch.
 - A maximum of 16 LCM cables (#4268) or USB cables (#4269) may be used with the NetBAY LCM Switch (#4202) to connect up to 64 servers.
 - Each port in the switch can connect a maximum of 16 systems.
 - One LCM cable (#4268) or USB cable (#4269) is required for every four systems supported on the switch.
 - Cable feature numbers 4243, 4244, and 4245 are available to support connection to the VGA switch (#4200).

Planning information

Cable orders: Refer to the **Limitations** section for cable requirements.

Security, auditability, and control

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

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

Terms and conditions

This product is available for purchase under the terms of the IBM Customer Agreement (ICA).

Each IBM machine is manufactured from parts that may be new or used. In some cases, a machine may not be new and may have been previously installed.

Regardless, IBM's appropriate warranty terms apply.

Volume orders: Contact your IBM representative.

IBM Global Financing: Yes

Warranty period: One year

Warranty service: IBM on-site repair (IOR)

ServiceSuite™ and ServiceElect (formerly ESA) maintenance

- IOR, Monday through Friday, 8:00 a.m. to 5:00 p.m., local time (excluding IBM holidays), next-business-day service
- IOR, 24 hours per day, 7 days a week, 4-hour average response¹

¹ This type of repair service provides a response objective and is not a guarantee.

Usage plan machine: No

IBM hourly service rate classification: Two

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 charges: No. These products do not contain licensed internal code or licensed machine code.

Educational allowance: A reduced charge is available to qualified education customers. The educational allowance may not be added to any other discount or allowance.

Prices

The following is a newly announced model of the IBM pSeries 7316 machine type:

Description	Purchase price	MMMC ²	CSU
Machine type/model 7316-TF3			
Flat Panel Console	\$3,000	\$28	Yes

² Minimum monthly maintenance charge

The following are newly announced features on the IBM pSeries 7316-TF3 machine type:

Description	Feature number	Purchase price	Initial/MES/both	CSU	RP MES
Machine type/model 7316-TF3					
Keyboard/Video/ Mouse (LCM) Switch	4202	\$1,665	Both	Yes	No
Cable, Keyboard/Video/ Mouse (KVM) Conversion	4268	765	Both	Yes	No
Option — 1.5 meters					
Cable, USB Conversion	4269	765	Both	Yes	No
Option — 1.5 meters					
Travel Keyboard					
U.S. English	6350	150	Both	Yes	No
French Canadian	6351	150	Both	Yes	No
French	6353	150	Both	Yes	No
German	6354	150	Both	Yes	No
Italian	6355	150	Both	Yes	No
Spanish	6356	150	Both	Yes	No
U.K. English	6357	150	Both	Yes	No
Japanese	6358	150	Both	Yes	No
Portuguese	6361	150	Both	Yes	No
LA Spanish	6363	150	Both	Yes	No
Language Group Specify					
U.S. English	9300	NC	Initial		
French	9703	NC	Initial		
German	9704	NC	Initial		
Polish	9705	NC	Initial		
Portuguese	9707	NC	Initial		
Spanish	9708	NC	Initial		
Italian	9711	NC	Initial		
Canadian French	9712	NC	Initial		
Japanese	9714	NC	Initial		

Description	Feature number	Purchase price	Initial/MES/both	CSU	RP MES
Traditional Chinese (Taiwan)	9715	NC	Initial		
Korean	9716	NC	Initial		
Turkish	9718	NC	Initial		
Hungarian	9719	NC	Initial		
Slovakian	9720	NC	Initial		
Russian	9721	NC	Initial		
Simplified Chinese (PRC)	9722	NC	Initial		
Czech	9724	NC	Initial		

The following previously announced features are now available on the IBM 7316-TF3 machine type:

Description	Feature number	Purchase price	Initial/MES/both	CSU	RP MES
Machine type/model 7316-TF3					
CCS Customer Service Specify (U.S.)	0986	\$ 0	Initial		
6-Foot Extender Cable for Displays (15-pin D-shell to 15-pin D-shell)	4242	100	Both	Yes	No
CPU to VGA Switch Attachment Cable					
7 foot	4243	79	Both	Yes	No
12 foot	4244	99	Both	Yes	No
20 foot	4245	169	Both	Yes	No
Customer Service Specify Power Cord (4M) Specify	5001	0	Initial		
United States/Canada	9900	0	Initial		
Belgium, Finland, France (250V, 16A)	9901	0	Initial		
Denmark (250V, 10A)	9902	0	Initial		
U.K. and others (250V, 13A)	9903	0	Initial		
Israel (250V, 6-16A)	9904	0	Initial		
Switzerland (250V, 10A)	9905	0	Initial		
India, Pakistan, South Africa (250V, 16A)	9906	0	Initial		
Italy (250V, 10A, and 16A)	9907	0	Initial		
Australia/New Zealand/Argentina (250V, 10A)	9908	0	Initial		
Thailand (250V, 15A)	9909	0	Initial		
All (Standard rack power cord)	9911	0	Initial		

The following are features newly announced for the IBM 7014 machine type:

Description	Feature number	Purchase price	Initial/MES/both	CSU	RP MES
Machine type/model 7014-T00, -T42					
Rack Content Specify: 7316-TF3 — 1 EIA™	0233	NC	Initial		

Annual minimum maintenance charges: For ServiceElet (ESA) Maintenance Service Charges, contact IBM Global Services at 888-IBM-4343 (426-4343).

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Note: Shipments will begin after the planned availability date.

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