

IBM Monitor Family

A Comparison Guide



IBM visual products to complete your business solution

Synonymous with innovation, quality and progression, the latest series of monitors from IBM offers the perfect visual complement to your IBM server or workstation. Backed by the IBM ServerProven® program, these offerings will deliver the compatibility and performance you expect from IBM solutions.

Key features include:

- Viewable image size from 381 to 511 mm (15" to 20.1")
- Adjustable stand with tilt and vertical positioning (T117, T119 and T120)



- Direct access for automatic image setup and brightness
- Quick and easy monitor adjustments using on-screen display (OSD) menus
- Matching design to IBM IntelliStation® and @server® systems



- Easy cable management
- Scaling for viewing of full-screen images of resolutions less than 1024x768

Warranty protection

As a testament to the IBM commitment to quality and customer satisfaction, IBM monitors are backed by a 3-year limited warranty¹ and replacement policy. Shipping is covered for warranty repairs in the rare case of a defective monitor.

Which monitor is right for you?



These visual options are designed for cost-effective entry solutions—ideal for server console units, education, task-oriented computing and general business applications.



T115—At 361mm high and 362mm wide (14" high, 14" wide), this monitor is essential where space is a consideration.



T117—This 432mm (17") display provides enough size for multi-window users.



C117—Practically economical, this monitor is a great companion to your IBM solution.



These visual options are ideal for premier performance with high-end graphics, CAD/CAM, 3D applications, multi-display configurations and high-data analysis programs.



T119—Delivers outstanding image clarity with a fast response time of 8ms.



T120—An outstanding 1600x1200 resolution and a high 178 degree viewing angle make this monitor suitable for high performance and data intense programs.

TFT monitor specifications: Products offer slim, power-conscious displays with large viewable areas.



TFT product	IBM T115	IBM T117	IBM T119	IBM T120
Machine type/model	4942-15U, 4942-15X	4943-17U, 4943-17X	4944-19U, 4944-19X	4945-20U, 4945-20X
Display type	Active Matrix Thin Film Transistor (TFT) Liquid Crystal Display (LCD)	Active Matrix Thin Film Transistor (TFT) Liquid Crystal Display (LCD)	Active Matrix Thin Film Transistor (TFT) Liquid Crystal Display (LCD)	Active Matrix Thin Film Transistor (TFT) Liquid Crystal Display (LCD)
Specifications				
Monitor size	381mm (15.0")	432mm (17")	483mm (19")	511mm (20.1")
Panel technology	TN	TN	TN	WVA
Brightness (typical)	250cd/m2	300cd/m2	250cd/m2	300cd/m2
Contrast ratio (typical)	400:1	500:1	550:1	700:1
Viewing angle (horizontal/vertical)	130°/100°	140°/130°	140°/135°	178°/178°
Response time (typical)	16ms	12ms	8ms	16ms
Pixel pitch	0.297mm	0.297mm	0.294mm	0.255mm
Display colors (maximum)	16.2M	16.2M	16.2M	16.7M
Active display area (horizontal x vertical)	304.1x228.1mm	337.9x270.3mm	376.3x301mm	408x306mm
ISO 13406-2 capable	Yes	Yes	Yes	Yes
TCO-compliant model	TCO-99	TCO-99	TCO-99	TCO-99
Functional features				
Native resolution	1024x768	1280x1024	1280x1024	1600x1200
Video input	Analog	Analog or Digital	Analog or Digital	Analog or Digital
Dual input	N/A	15-pin D and DVI-D	15-pin D and DVI-D	15-pin D and DVI-D
Onscreen display (OSD)	7 Languages (English, French, German, Spanish, Italian, Simplified Chinese, Japanese)	7 Languages (English, French, German, Spanish, Italian, Simplified Chinese, Japanese)	7 Languages (English, French, German, Spanish, Italian, Simplified Chinese, Japanese)	7 Languages (English, French, German, Spanish, Italian, Simplified Chinese, Japanese)
VESA power management	Yes	Yes	Yes	Yes
Display modes	VGA, SVGA, XGA	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA	VGA, SVGA, XGA, SXGA, UXGA
Physical features				
Signal cable	15-pin D to 15-pin D	15-pin D to 15-pin D and DVI-D to DVI-D	15-pin D to 15-pin D and DVI-D to DVI-D	15-pin D to 15-pin D and DVI-D to DVI-D
Dimensions (HxWxD)	361x362x144mm	396x375x246mm	444x418x246mm	417x446x246mm
Weight	2.9kg (6.4lbs.)	5.8kg (12.8lbs.)	7.4kg (16.3lbs.)	7.5kg (16.5lbs.)
Stand functions	Tilt	Tilt-Lift	Tilt-Lift	Tilt-Lift
Height adjustment	N/A	60mm	62mm	50mm
Tilt	-3 to +14 degrees	-3 to +22 degrees	-3 to +22 degrees	-3 to +22 degrees
VESA mount	Not Available	100mm	100mm	100mm
Operating environment	10 to 35 degrees C	10 to 35 degrees C	10 to 35 degrees C	10 to 35 degrees C
Storage environment	-20 to 60 degrees C	-20 to 60 degrees C	-20 to 60 degrees C	-20 to 60 degrees C
Integrated power	Yes	Yes	Yes	Yes
Power supply	90-264V AC, 50-60Hz	90-264V AC, 50-60Hz	90-264V AC, 50-60Hz	90-264V AC, 50-60Hz
Power consumption	25W (maximum)	38W (maximum)	40W (maximum)	60W (maximum)
Limited warranty¹ (parts/labor/backlight)	3-year	3-year	3-year	3-year

CRT monitor specifications: Price-conscious product that delivers exceptional performance and quality.



CRT product	IBM C117
Machine type/model	4938-7NU, 4938-7NX, 4938-7EX
Monitor size/viewable image size	432mm (17")/406mm (15.9")
Display type	FST CRT
Recommended display mode	1024x768@85Hz
Maximum display mode	1280x1024@60Hz
Technology	
Horizontal dot/strip pitch	0.23mm (dot)
Diagonal dot pitch	0.27mm (dot)
Vertical/horizontal frequency range	50-130Hz/30-69KHz
Maximum pixel frequency	110MHz
Features	
Anti-reflective/anti-static	Yes
ISO 9241-3/7/8 capable	Yes
TCO-compliant model	No
MPR-II Compliant	Yes
VESA DDC plug and play enabled	1, 2B and 2Bi
VESA power management	Yes
Onscreen display (OSD)	6 (English, French, German, Spanish, Portuguese, Italian)
Preset non-interlaced modes (VESA)	
640x800	60, 85Hz
800x600	75, 85Hz
1024x768	75, 85Hz
1280x1024	60Hz
Preset user modes	9/8
Dimensions (HxWxD)	402x410x420mm (15.8"x16.1"x16.5")
Weight	15.5kg (34.1lbs.)
Operating environment	0 to 40 degrees C, 10-85% humidity
Storage environment	-10 to 60 degrees C, 5-85% humidity
Power supply	90-264V AC, 50-60Hz
Power consumption	68W (maximum)
Limited warranty¹	3-year

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IBM Systems and Technology Group
3039 Cornwallis Road
Research Triangle Park, NC 27709

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