

NEC AccuSync™ Series

19" and 22" flat-panel monitors ideal for small-to-medium-sized business users



High-quality LCD monitors don't necessarily have to be associated with high-end price tags.

NEC AccuSync Series monitors have set a new standard in value for the flat-panel monitor category, offering you a perfect opportunity to take advantage of the many benefits offered by the latest display technology without having to break your budget. The 19" NEC AccuSync AS191, 19" widescreen AS191WM and 22" widescreen AS221WM deliver eco-friendly, technology-rich and cost-conscious display solutions to small-to-medium-sized businesses and home office users.

Enhanced screen performance. With contrast ratios up to 1000:1 (typical) and brightness of 250 cd/m², outstanding LCD monitor front-of-screen visual performance is NEC's #1 goal. The AccuSync Series delivers vibrant colors and flicker-free images that make your time in front of the monitor more comfortable and productive. NEC's Rapid Response™ technology provides for uninterrupted display of full-motion video with response times as quick as 5ms. This remarkably seamless motion makes these models better than ever for applications such as Flash-based presentations and streaming web video.

It's easy to be green. In addition to consuming up to 48% less energy than its predecessors and containing 50% less mercury content than comparable displays, the NEC AccuSync Series is loaded with features that promote environmental consciousness, including: ECO Mode™, a carbon footprint meter for tracking the conservation of green gas emissions, compliance with ENERGY STAR 5.0, TCO 5.0 and EPEAT™ Silver, and a significant reduction in packaging materials.



The AS191WM and AS221WM's built-in speakers (pictured at left) boost the senses with rich sound during presentations or other display applications. Integrated into the bottom of the cabinet, the speakers add multimedia excitement to the desktop computing experience without adding bulk to the display's design.

Series Features and Benefits

Wide-format screen increases productivity by expanding your working area to view multiple application windows (AS191WM & AS221WM)

Ambix® dual-input technology allows for digital/analog compatibility with upgraded video cards and software as well as connection to two systems

Rapid Response technology delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video

Energy efficiency is optimized as a result of the display's "green" technology

ECO Mode™ function helps save power, reduce heat and extend the life of the display by allowing the user to dim/reduce the brightness

Intelligent Power Manager (IPM) system provides innovative power-saving methods by shifting to a lower power consumption level or automatically powering down when the monitor is on but not in use

Carbon footprint meter helps track and calculate the reduction of green gas emissions

Compact packaging helps reduce paper usage, shipping costs and waste

Built-in multimedia speakers provide quality sound (AS191WM & AS221WM)

On Screen Display (OSD)® puts you in complete control of your screen setting adjustments

NaViSet™ software (available via download) offers an expanded and intuitive interface, allowing you to more easily adjust display settings via mouse and keyboard

EPEAT Silver compliance ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment

ENERGY STAR 5.0 and TCO 5.0 compliance reduce electrical costs and lowers total cost of ownership

NEC Display Solutions' quality and reliability provide peace of mind with a 3-year limited parts and labor warranty (including backlight) and unrivaled customer service and technical support

Model	AccuSync AS191	AccuSync AS191WM	AccuSync AS221WM
Display			
Viewable Image Size	19"	19" widescreen	22" widescreen
Pixel Pitch	0.294mm	0.284mm	0.282mm
Pixels Per Inch	86 @ native resolution	90 @ native resolution	90 @ native resolution
Brightness (typical)	250 cd/m ²	250 cd/m ²	250 cd/m ²
Contrast Ratio (typical)	900:1	1000:1	1000:1
Viewing Angle (typical)	85°/85°/85°/85° (CR > 5)	88°/88°/88°/88° (CR > 5)	88°/88°/88°/88° (CR > 5)
Response Time (typical)	5ms	5ms	5ms
Display Colors	More than 16.7million	More than 16.7million	More than 16.7million
Synchronization Range			
Horizontal	31.5-81.1 KHz	31.5-81.1 KHz	31.5-82.3 KHz
Vertical	56 - 76 Hz	56 - 75 Hz	56 - 75 Hz
Inputs	VGA, DVI-D	VGA, DVI-D	VGA, DVI-D
Resolutions Supported	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz	720 x 350 @ 70 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 800 x 600 @ 56-75 Hz 1024 x 768 @ 60-75 Hz 1024 x 768 @ 75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 720 @ 60 Hz 1280 x 768 @ 60 Hz 1280 x 960 @ 60 Hz 1280 x 960 @ 75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60-75 Hz	720 x 350 @ 70 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 640 x 480 @ 66 Hz 800 x 600 @ 56-75 Hz 800 x 600 @ 56-75 Hz 800 x 600 @ 56-75 Hz 1024 x 768 @ 60-75 Hz 1024 x 768 @ 75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 720 @ 60 Hz 1280 x 768 @ 60-75 Hz 1280 x 960 @ 60 Hz 1280 x 960 @ 75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60-75 Hz 1400 x 1050 @ 60-75 Hz 1680 x 1050 @ 60Hz
Native Resolution	1280 x 1024	1440 x 900	1680 x 1050
Additional Features	Tilt, one-touch ECO Mode key, carbon footprint meter, cable management, sRGB, digital smoothing, 5-preset AccuColor control, No Touch Auto Adjust, DDC/CI, NaViSet software, Plug and Play (VESA DDC 1/2B), VESA DPMS power management, VESA mount, OSD user control	Tilt, 2-step ECO Mode (ECO Mode 1&2), carbon footprint meter, cable management, DVI-D with HDCP, sRGB, digital smoothing, 5-preset AccuColor control, No Touch Auto Adjust, DDC/CI, NaViSet software, Plug and Play (VESA DDC 1/2B), VESA DPMS power management, VESA mount, OSD user control	Tilt, 2-step ECO Mode (ECO Mode 1&2), carbon footprint meter, cable management, DVI-D with HDCP, sRGB, digital smoothing, 5-preset AccuColor control, No Touch Auto Adjust, DDC/CI, NaViSet software, Plug and Play (VESA DDC 1/2B), VESA DPMS power management, VESA mount, OSC user control
Regulatories and Compliance	UL /C-UL or CSA, PCT (Gost), C-tick, FCC Class B/Canadian DOC, MPR II / MPR III, PSB, NOM, Windows Vista, TUV GS, TUV Ergonomie, CE, GEEA/Energy label, SASO, ISO 9241-307, Pb free, RoHS, EPEAT Silver, ENERGY STAR 5.0 and TCO 5.0 compliant, Windows 7	UL /C-UL or CSA, PCT (Gost), C-tick, SB-50 (California), FCC Class B/Canadian DOC, MPR II / MPR III, PSB, NOM, Windows Vista, TUV GS, TUV Ergonomie, CE, GEEA/Energy label, SASO, ISO 9241-307, Pb free, RoHS, EPEAT Silver, ENERGY STAR 5.0 and TCO 5.0 compliant, Windows 7	UL /C-UL or CSA, PCT (Gost), C-tick, SB-50 (California), FCC Class B/Canadian DOC, MPR II / MPR III, PSB, NOM, Windows Vista, TUV GS, TUV Ergonomie, CE, GEEA/Energy label, SASO, ISO 9241-307, Pb free, RoHS, EPEAT Silver, ENERGY STAR 5.0 and TCO 5.0 compliant, Windows 7
Touch-Capable	No	Yes	Yes
Voltage Rating	AC100-120V / AC 220-240V	AC100-120V / AC 220-240V	AC100-120V / AC 220-240V
Power Consumption (typical)			
On	24W	21W	24W
ECO Mode 1/2	20W / 15W	18W / 15W	21W / 17W
Power Savings Mode	0.40W	0.4W	0.42W
Dimensions (W x H x D)			
Net (with stand)	16.2 x 15.9 x 8.1 in. / 412.5 x 403.1 x 205.1mm	17.3 x 13.7 x 8.3 in. / 439.4 x 347.1 x 209.8mm	19.9 x 15.4 x 8.7 in. / 505.2 x 390.9 x 221.8mm
Net (without stand)	16.2 x 13.4 x 2.7 in. / 412.5 x 341.2 x 69mm	17.3 x 11.8 x 2.5 in. / 439.4 x 299.8 x 64.6mm	19.9 x 13.5 x 2.6 in. / 505.2 x 342.9 x 65.2mm
Weight			
Net (with stand)	9.7 lbs. / 4.4 kg	9.7 lbs. / 4.4 kg	11 lbs. / 5 kg
Net (without stand)	8.8 lbs. / 4 kg	9 lbs. / 4.1 kg	10.4 lbs. / 4.7 kg
VESA Hole Configuration Specifications	100 x100mm	100 x100mm	100 x100mm
Environmental Conditions			
Operating Temperature	5-35°C / 41-95°F	5-35°C / 41-95°F	5-35°C / 41-95°F
Operating Humidity	20-80%	20-80%	20-80%
Operating Altitude	2000m / 6562 ft.	2000m / 6562 ft.	2000m / 6562 ft.
Storage Temperature	-10-60°C / 14-140°F	-10-60°C / 14-140°F	-10-60°C / 14-140°F
Storage Humidity	10-85%	10-85%	10-85%
Storage Altitude	12,192m / 40,000ft	12,192m / 40,000 ft.	12,192m / 40,000 ft.
Limited Warranty	3 year parts and labor, including backlight	3 year parts and labor, including backlight	3 year parts and labor, including backlight
Technical Support	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)



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