

High Quality, Slow Scan Legacy System Replacements

The 19LM1901A51UN Series of 19.0" LCD monitors has been designed primarily for Slow Scan Legacy Systems as replacements for 20"/21" CRT monitors. They utilize a modern SXGA TFT (1280 x 1024 pixels) panel and a KME-designed Analog-Digital interface board. All elements, including a toughened glass protection screen, have been packaged in a compact metal housing. (Dimensions are

compatible with previous 18.1" series) The heavy-duty stand has the AC power supply in its base.

By special development of our own Signal Recognition and Scaling software, and access to an extensive library of older signal timings gained from 30+ years of CRT monitor manufacturing, KME has created a Multiscan ("Universal") flat panel monitor with unique 15kHz to 80kHz display capabilities. Some common Slow Scan Signal timings are factory pre-set. (see table on next page). New ones may be added on request. Other signals, which are close to those listed, will give a display but some adjustment may be necessary for full screen performance. The final settings can be easily stored for future use.

Features

- Accepts signal types CGA, EGA & all VESA standards up to SXGA. TTL, analog & interlaced signals accepted
- KME have developed a deep diming solution for the slow scan range which provides smooth consistent diming 100% to 0%
- All monitors have BNC, 9-D & 15-D connectors
- The LCD monitor has been designed with solidity, being housed in a compact metal construction with a toughened glass protection screen

Slow Scan Support - examples

H. kHz	V. Hz	Pixels	H. kHz	V. Hz	Pixels
15.625	50	714 * 288	15.63	50	560 * 275
15.63	60	808 * 238	15.72	60	564 * 240
15.72	60	508 * 240	15.72	60	604 * 240
15.72	60	640 * 200	16.10	50	564 * 304
16.276	70	640 * 220	16.79	70	577 * 215
17.85	50	508 * 338	21.83	60	640 * 350
20.65	50	640 * 384	24.78	60	640 * 384

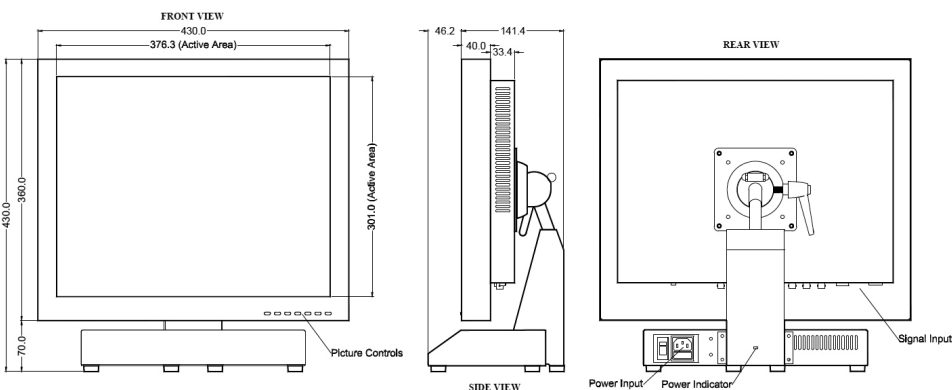
19" Slow Scan Desktop LCD Monitor
19LM1901A51UN/3



Specifications: see next page

Specifications		
TFT Characteristics	Type Max. Resolution Active Display Area Contrast Ratio Brightness Viewing angles (at CR>10) Backlight life Response time Nr. of colours	AM Colour TFT 1280 x 1024 pixels 376 x 301 mm 1000:1 typical 250 cd/m ² typical 178°H, 178°V 50,000 hrs typical 10ms average, typical 16 million
Video signal	Analog RGB 0.7-1.0Vp-p	or TTL >2.75Vp-p
Signal Sync	Separate H & V (+/ve) TTL or Composite (-ve)	TTL or Sync- on - Green (-ve) 0.3V
Synchronisation Range	Horizontal scan Vertical scan	15-80kHz 40 to 100Hz
Clock rates	150MHz	
Display modes	VESA Support	640 x 480 VGA 800 x 600 SVGA 1024 x 768 XGA 1280 x 1024 SXGA (recommended)
Slow Scan Support	Pre-programmed Analog or TTL inputs in 15-40kHz range	see table examples on previous page
Power supply	90/260V 50/60Hz	Power pack inside base
Power consumption	50W (Max)	
Environmental	Storage temp Operating temp	-20 to 60°C 0 to 50°C
Dimensions	Monitor	430 x 430 x 187 mm
	Weight	9 kg approx
Input	9D, 15D, BNC x 5	
Housing	Painted aluminium	
User controls	Front mounted	
On screen buttons	Brightness, Contrast, Auto set-up Disable, H/V Position, Clock, Clock Phase and Priority	
Part numbers		
Desktop Model	19LM1901A51UN/3	
Rackmount Model	29LR1901A51UN/3	
Display Head only	29LM1901E51UN/3	(12vDC)
AC Power Pack	20BK0234H	

Specifications are subject to change without notice.



• Monitors

- Desktop Monitors
- Large screen Monitors
- Custom-made Monitors
- 19" Rack Mount Monitors
- Rear Mount Monitors
- Monitors for Panel Mount
- Monitors for VESA Mount
- Kiosks
- Accessories

• Monitors – Specific applications

- Stainless Steel Monitors
- Car Displays
- Marine Monitors
- Military Monitors
- Replacement Monitors
- Train Monitors

• Panel PC's

- High Performance Systems
- Custom made Panel PC's
- Low Power Systems
- Extreme environments

• Pointing devices

- Accessories
- Touchpads
- Trackballs
- Trackball Modules
- Joysticks
- Custom made Pointing Devices

• Keyboards

- Desktop Keyboards with or without pointer
- Built-in Keyboards with or without pointer
- Cables & Connectors
- Custom made Keyboards



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