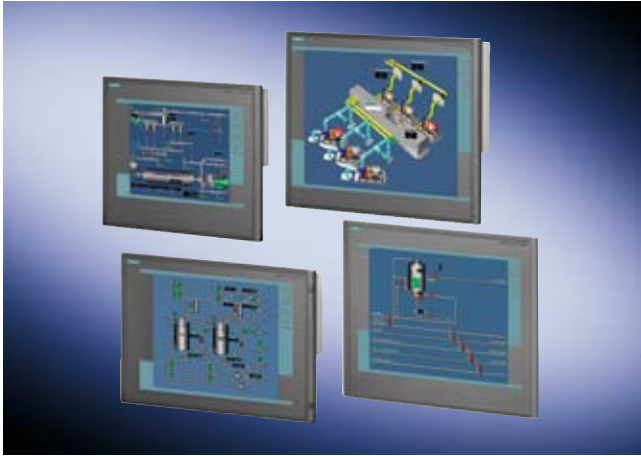


Expansion components

Industrial LCD monitors

SIMATIC Flat Panels

Overview



- Flat Panels are rugged, industrial standard LCD monitors
- They can be used wherever CRT monitors are used
- Installation
 - Equally suitable for installation in machines, control cabinets, consoles and booms or in 19" racks
- Possible operation:
 - Simple display devices without operator functionality
 - Optional devices with touch control
 - Rear connection of I/O devices (optional)

Benefits

- Rugged industrial type:
 - Failsafe and with a long service life thanks to a high degree of shock and vibration resistance as well as extremely high electromagnetic compatibility.
 - Housing front to degree of protection, protected IP65/NEMA4 against the ingress of dust and water
 - Scratch-resistant, non-reflective glass screen, i.e. high mechanical protection against pressure and protection against scratching
 - Complies with the CE standard for industry
- Multiple variants
- No X-rays
- Low energy requirements
- Less tiring work:
 - Large viewing angle of up to 170° horizontally and vertically
 - Focused, high-contrast picture display
 - No flickering, uniform brightness
 - Automatic picture adjustment (Auto Adjust)
- Configuration using On-Screen Display (OSD)
- Small space requirements and low weight
- Long service life

Design

- Rugged aluminum front
- TFT display versions:
 - 12" with 800 x 600 pixels
 - 15" with 1024 x 768 pixels
 - 17" with 1280 x 1024 pixels
 - 19" with 1280 x 1024 pixels
- 256K to 16 million colors
- Anti-glare and hardened mineral glass screen
- Basic display or touch screen option
- 24 V DC power supply, also optional with 100-240 V AC (50/60 Hz)
- Can be located up to 5 m from the computing unit

Scope of delivery:

- Power supply cable for variants with AC power supply unit
- Connecting cables 1.8 m (other cable lengths available separately as accessories)
- Operating instructions, 2 languages (German and English)
- CD-ROM with hardware drivers and documentation

Special functions of extended version

- Can be located up to 30 m from the computing unit
- Rear USB interface
- Dimmable backlit display
- Combined DC / AC power supply
- EX22 approval (available soon)
- Marine approvals

Special features for switch-over from CRT monitors on LCD monitors

Resolution:

When the corresponding LCD monitor is selected, make sure that the resolution of the LCD monitor is suitable for the visualization application.

Expansion components

Industrial LCD monitors

SIMATIC Flat Panels

Ordering data	Order No.	Order No.
Flat Panel Monitor Display size: • 12" • 15" • 17" • 19" Operating functions: • display device without operating functions • touch screen (analog/resistive) Power supply: • 24 V DC (not with Extended version) • 100-230 V AC (with power cable for Europe) / 24 V DC Version: • Standard: Can be located up to 5 m away • Extended: Can be located up to 30 m away, special functions	6AV7 861- 0- AA0 1 2 4 3 A T A B 0 1 * * 1 *	Accessories Mounting elements for Panel PC 57x/67x/87/Flat Panel for screw mounting the 19" front panel at the front, e.g., in 19" rack cabinet Connecting cables for standard and extended versions • Video (VGA) - 3.0 m - 5.0 m • Video (DVI-D) - 3.0 m - 5.0 m • USB for optional touch screen - 3.0 m - 5.0 m Connection cables for extended version • Cable set 10 m (DVI-D, CAT5 cable (USB), USB transmitter module) • Cable set 15 m (DVI-D, CAT5 cable (USB), USB transmitter module) • Cable set 20 m (DVI-D, CAT5 cable (USB), USB transmitter module) • Cable set 30 m (DVI-D, CAT5 cable (USB), USB transmitter module)
		6AV7 672-8KE00-0AA0 6AV7 860-0AH30-0AA0 6AV7 860-0AH50-0AA0 6AV7 860-0BH30-0AA0 6AV7 860-0BH50-0AA0 6AV7 860-0CH30-0AA0 6AV7 860-0CH50-0AA0 6AV7 860-1EX21-0AA1 6AV7 860-1EX21-5AA1 6AV7 860-1EX22-0AA1 6AV7 860-1EX23-0AA1

*) This version is available as Standard and as Extended Version.
 Please select **0** for Standard, **1** for Extended.

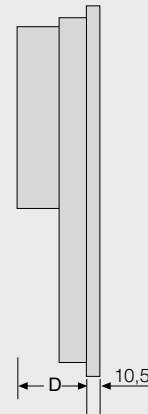
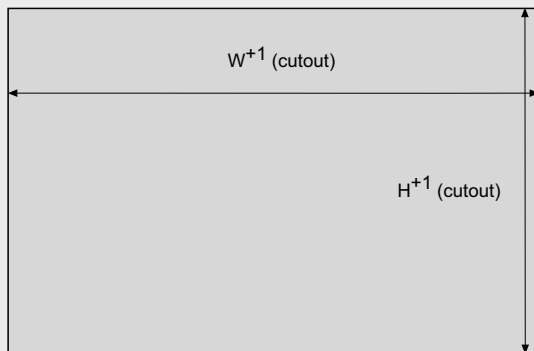
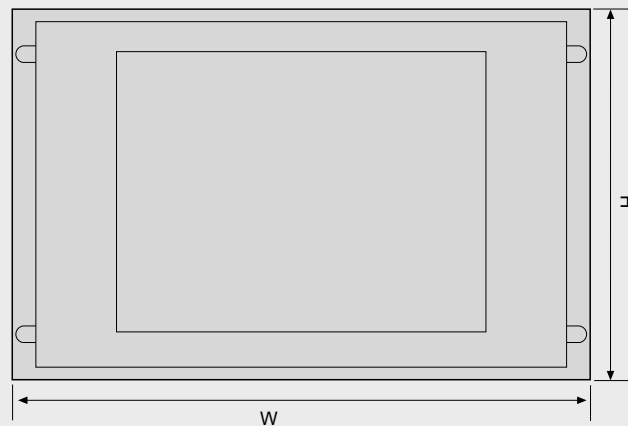
Expansion components

Industrial LCD monitors

SIMATIC Flat Panels

Dimension drawings

Dimensions in mm



Front dimensions	W	H	
Touch panels			
12"	400	310	
15"	483	310	
17"	483	400	
19"	483	400	
Installation cutout	W ⁺¹	H ⁺¹	D
Touch panels			
12"	368	290	51
15"	450	290	55
17"	450	380	57
19"	450	380	57

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