

SLIMLINE 1U™ / SLIMLINE 1U SOLAR™

Industrial-/Military-Grade, 1U Rack Mount, Standard/High Brightness, Flip-up LCD Monitor/Keyboard/Trackball



SlimLine 1U Shown in Operating Position with Optional Smart Card Reader

The **SLIMLINE 1U SERIES** flip-up LCD monitor with integral keyboard and trackball is optimized for a low profile (1.75" high), which saves valuable rack space. The SlimLine 1U's compact design and industrial durability, combined with General Digital's legendary configuration control and long product life cycles, make it the ideal rack mount solution for network administration, telecommunications, mobile applications, etc.

The enclosure is constructed from a combination of steel and aluminum, providing a cost-effective, lightweight housing that can be used in most commercial/industrial applications, yet is rugged and robust enough for military use. Use of continuous-friction hinges permit the viewing angle of the display head to be user adjusted over a usable range of greater than 90°.

The SlimLine 1U Series is available with an integrated 15.0", 17.0", 17.3" or 19.0" (diagonal) LCD, offering a wide selection of price vs. performance options from which to choose. All of our LCDs feature the latest technological advances, providing users with high brightness/contrast images, fast response times (suitable for live video) and wide viewing angles. We offer several models with both standard luminance and sunlight readable displays.

Customers may also select from a list of supported video controllers to achieve the desired balance of price and performance. All of the video controllers are operated via intuitive On-screen Display (OSD) menus that are controlled via a membrane panel. Advanced features such as Live Video support, Picture-in-Picture (graphics + video) and Image Rotation are supported on specific controller configurations.

Additionally, users can choose from General Digital's list of approved keyboard/pointing device (KPD) combinations to satisfy their commercial, industrial or military requirements. Many KPDs meet military standards for sealing and shock/vibration. Please speak with a sales engineer to discuss integration of keyboards not shown on our approved list.

The SlimLine 1U is configured to operate from regulated +12 VDC. For those customers who do not wish to provide their own supply, General Digital offers a selection of rack mounted and standalone AC switching or DC-DC power supplies. Cable management systems are also available.

Please feel welcome to consult a General Digital Sales Engineer for additional information, or visit www.GDdisplaysystems.com.

QUICK LOOK

ENCLOSURE

- » Rugged, All-Metal Construction Designed to Satisfy Industrial or MIL-STD-810E and -810F and TEMPEST Level 2 Requirements
- » Continuous-Friction Hinges Permit Display to be Adjusted > 90°
- » Ultra-Low Profile, 1U (1.75" High) Rack Mount Enclosure
- » Easily Mounts in Rack Chassis via 20" or 24" Slides (Provided)
- » Spring Coil Latch Secures Display in Stowed Position

DISPLAY

- » 15.0" / 17.0" / 17.3" / 19.0" Active Matrix TFT LCD Displays
- » XGA (1024 x 768 pixels) to WUXGA (1920 x 1080 pixels) Resolution
- » Wide Viewing Angle (Horizontal & Vertical)
- » High Brightness & Contrast Enhances Display Quality
- » Designed to Satisfy MIL-STD-461E, UL and FCC Standards
- » Fast Response Time Ideal for Real-Time and Video Applications

VIDEO CONTROLLER

- » Support for Interlaced and Non-Interlaced Video Sources
- » Support for Separate, Composite Sync-On-Green, and DVI-D Standards
- » Support for NTSC, SECAM, PAL, RS-170 Video with Input Format of Composite Video, S-Video and Component Video (YCrCb) [Opt.]
- » Resolutions to 1920 x 1200 @ 60 Hz; Sub-resolutions to 75 Hz
- » Intuitive On-screen Menus for Display Calibration and User's Control
- » Advanced Imaging Features
 - Auto Adjust, Brightness/Contrast/Color Adjustments, Image Expansion, Image Zoom, Foreign Languages, PIP, PBP, More

KEYBOARD/POINTING DEVICE

- » Commercial-, Industrial- or Military-Grade Keyboards
- » Many Sealed Keyboards Available that Meet MIL-STD-810F, MIL-STD-901D and MIL-STD-167B Shock and Vibration Req's.
- » 1-3/8" Diameter Sealed Trackball

POWER

- » +12 VDC Operation
- » Low Power Consumption (<50 Watts)

OPTIONS

- » NVIS-Compatible Displays Compliant with MIL-STD-3009
- » Sunlight Readable Displays and Other Optical Enhancements
- » Separate 1U Power Supply Mounts to Rear of Rack in Same Vertical Rack Space
- » Support for DVI-D Video, HDMI Video, NTSC Video (Composite)
- » Audio Add-on Board Provides Volume Control of Stereo Speakers
- » Protective Glass Display Overlay
- » Cable Management Systems
- » Serial Calibration, Gamma Control or Remote On/Off
- » Front-mounted CD/DVD-RW or Blu-ray Drive
- » Integrated 4-Port USB Hub

Designed and Manufactured in the U.S.A.

GD GENERAL DIGITAL™
The Innovators of Flat Panel Technology

OVER 35 YEARS OF FLAT PANEL SOLUTIONS

DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.)	Contrast (Max.)	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock [1]	Vibration [1]
SL1-15X-408	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	400 Nits	600:1	3/5 ms	± 80°	± 80°	30 G, 11 ms ½ Sine Wave	1.0 G (5–100 Hz)
SL1-15X-409	15.0"	11.97" x 8.98"	1024 x 768	16.2 Million	400 Nits	700:1	5.7/2.3 ms	± 80°	+ 60°, -80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
SL1-17W-510	17.0"	13.30" x 10.64"	1280 x 1024	16.7 Million	350 Nits	1000:1	3.5/1.5 ms	± 85°	± 85°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
SL1-17D-524	17.3"	15.03" x 8.46"	1920 x 1080	16.7 Million	400 Nits	600:1	37/3 ms	± 80°	+ 60°, -80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
SL1-19W-701	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	350 Nits	1000:1	3.6/1.4 ms	± 85°	± 80°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
SL1-19W-703	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	330 Nits	900:1	7/11 ms	± 89°	± 89°	100 G, 2 ms ½ Sine Wave	1.0 G (10–300 Hz)

1 Shock and Vibration data reflect parameters for baseline industrial monitors. Military-grade monitors could sustain even greater shock and vibration levels. Please inquire with a Sales Engineer for more information.

MTBF

	Display	LED Backlight [2]	LED Controller	Power Supply (Optional)
SL1-15X-408	50,000 Hours (Minimum)	> 50,000 Hours (Typical)	182,000 Hours (Minimum)	Depends on Supply Selected
SL1-15X-409	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL1-17W-510	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL1-17D-524	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL1-19W-701	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SL1-19W-703	50,000 Hours (Minimum)	30,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

2 The hours for LED Backlight refer to the half-life of the backlight; that is, the point at which the LEDs reach half of their original brightness. *It does not indicate the life expectancy of the backlight.*

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
SL1-15X-408	-20° C to 70° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SL1-15X-409	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SL1-17W-510	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SL1-17D-524	0° C to 70° C	-20° C to 70° C	5% to 95% RH Non-condensing	5% to 95% RH Non-condensing	10,000 Feet	40,000 Feet
SL1-19W-701	0° C to 50° C	-20° C to 60° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SL1-19W-703	-10° C to 70° C	-20° C to 80° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	16,000 Feet	40,000 Feet

MECHANICAL

	Dimensions (H x W x D)	Construction	Finish	Weight, Operating [3]	Weight, Shipping [3]
SL1-15X-408	1.75" (1U) x 19.00" x 20.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	20–22 Pounds	28–30 Pounds
SL1-15X-409	1.75" (1U) x 19.00" x 20.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	20–22 Pounds	28–30 Pounds
SL1-17W-510	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	21–23 Pounds	29–31 Pounds
SL1-17D-524	1.75" (1U) x 19.00" x 22.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	21–23 Pounds	29–31 Pounds
SL1-19W-701	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	22–24 Pounds	30–32 Pounds
SL1-19W-703	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	22–24 Pounds	30–32 Pounds

3 Operating and Shipping Weight vary depending on selected keyboard and options/accessories.

MODEL NUMBER CONFIGURATOR [4]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
SL1-	15X-	408-	###-	##-	02-	##-	####
SL1-	15X-	409-	###-	##-	02-	##-	####
SL1-	17W-	510-	###-	##-	02-	##-	####
SL1-	17D-	524-	###-	##-	02-	##-	####
SL1-	19W-	701-	###-	##-	02-	##-	####
SL1-	19W-	703-	###-	##-	02-	##-	####

4 The hashtags (#) indicate customer-defined values.



Close-up of Optional Front-mounted CD/DVD-RW Drive



ORDERING

Model Number [5]	Description
SL1-15X-408- ddd-ee-02-gg-hiji	SlimLine 1U 15.0, 1U Rack Mount Ruggedized 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL1-15X-409- ddd-ee-02-gg-hiji	SlimLine 1U 15.0, 1U Rack Mount Ruggedized 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL1-17W-510- ddd-ee-02-gg-hiji	SlimLine 1U 17.0, 1U Rack Mount Ruggedized 17.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL1-17D-524- ddd-ee-02-gg-hiji	SlimLine 1U 17.3, 1U Rack Mount Ruggedized 17.3" WXGA+ Flip-up LCD Monitor with Integral Keyboard and Trackball
SL1-19W-701- ddd-ee-02-gg-hiji	SlimLine 1U 19.0, 1U Rack Mount Ruggedized 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SL1-19W-703- ddd-ee-02-gg-hiji	SlimLine 1U 19.0, 1U Rack Mount Ruggedized 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball

5 Bold Italicized letters refer to standard customer-defined configurations (see Model Number Configurator above).

DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.)	Contrast (Max.)	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock [1]	Vibration [1]
SSL1-15X-989	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	600 Nits	600:1	3/5 ms	±80°	±80°	30 G, 11 ms ½ Sine Wave	1.0 G (5–100 Hz)
SNSL1-17W-956 [3]	17.0"	13.30" x 10.64"	1280 x 1024	16.7 Million	932 Nits [2]	813:1 [2]	3.5/1.5 ms	±85°	±85°	50 G, 20 ms ½ Sine Wave	1.5 G (10–200 Hz)
DSL1-19W-991	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	485 Nits [2]	1276:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)
SSL1-19W-992	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	1000 Nits [2]	700:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)
SNSL1-19W-993 [3]	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	1000 Nits [2]	700:1 [2]	3.6/1.4 ms	±85°	±80°	50 G, 11 ms ½ Sine Wave	1.5 G (10–300 Hz)

1 Shock and Vibration data reflect parameters for baseline industrial monitors. Military-grade monitors could sustain even greater shock and vibration levels. Please inquire with a Sales Engineer for more information.

2 Brightness and Contrast values reflect measurements obtained with a Minolta® CS100 photometer; these values are nominal and may vary.

3 This model has been designed and tested to be NVIS compatible to MIL-STD-3009. Inquire with a Sales Engineer about obtaining other night vision goggle-compatible models.

MTBF

	Display	LED Backlight [4]	LED Controller	Power Supply (Optional)
SSL1-15X-989	50,000 Hours (Minimum)	70,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNSL1-17W-956 [3]	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
DSL1-19W-991	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SSL1-19W-992	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected
SNSL1-19W-993 [3]	50,000 Hours (Minimum)	50,000 Hours (Minimum)	182,000 Hours (Minimum)	Depends on Supply Selected

4 The hours for LED Backlight refer to the half-life of the backlight; that is, the point at which the LEDs reach half of their original brightness. *It does not indicate the life expectancy of the backlight.*

ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
SSL1-15X-989	-20° C to 70° C	-30° C to 80° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SNSL1-17W-956 [3]	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
DSL1-19W-991	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SSL1-19W-992	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SNSL1-19W-993 [3]	-30° C to 85° C	-30° C to 85° C	8% to 90% RH Non-condensing	8% to 90% RH Non-condensing	10,000 Feet	30,000 Feet

MECHANICAL

	Dimensions (H x W x D)	Construction	Finish	Weight, Operating [5]	Weight, Shipping [5]
SSL1-15X-989	1.75" (1U) x 19.00" x 20.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	20–22 Pounds	28–30 Pounds
SNSL1-17W-956 [3]	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	21–23 Pounds	29–31 Pounds
DSL1-19W-991	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	22–24 Pounds	30–32 Pounds
SSL1-19W-992	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	22–24 Pounds	30–32 Pounds
SNSL1-19W-993 [3]	1.75" (1U) x 19.00" x 24.00"	5052-H32 Aluminum/Steel	Black Matte Powder Coat & Clear Iridite	22–24 Pounds	30–32 Pounds

5 Operating and Shipping Weight vary depending on selected keyboard and options/accessories.

SlimLine 1U 17.0 Shown Extended from Rack in Transit Case



MODEL NUMBER CONFIGURATOR [6]

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (ddd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
SSL1-	15X-	989-	###-	##-	02-	##-	####
SNSL1-	17W-	956-	###-	##-	02-	##-	####
DSL1-	19W-	991-	###-	##-	02-	##-	####
SSL1-	19W-	992-	###-	##-	02-	##-	####
SNSL1-	19W-	993-	###-	##-	02-	##-	####

6 The hashtags (#) indicate customer-defined values.

ORDERING

Model Number [7]	Description
SSL1-15X-989- ddd-ee-02-gg-hijj	SlimLine 1U 15.0, 1U Rack Mount Ruggedized Sunlight Readable 15.0" XGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SSL1-17W-956- ddd-ee-02-gg-hijj	SlimLine 1U 17.0, 1U Rack Mount Ruggedized Sunlight Readable Night Vision Goggle-Compatible 17.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball [3]
DSL1-19W-991- ddd-ee-02-gg-hijj	SlimLine 1U 19.0, 1U Rack Mount Ruggedized Sunlight Readable 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SSL1-19W-992- ddd-ee-02-gg-hijj	SlimLine 1U 19.0, 1U Rack Mount Ruggedized Sunlight Readable 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball
SNSL1-19W-993- ddd-ee-02-gg-hijj	SlimLine 1U 19.0, 1U Rack Mount Ruggedized Sunlight Readable Night Vision Goggle-Compatible 19.0" SXGA Flip-up LCD Monitor with Integral Keyboard and Trackball [3]

7 **Bold italicized letters** refer to standard customer-defined configurations (see Model Number Configurator above).

VIDEO CONTROLLER [1]

dd	Display Supported	Resolution/Frequency [2]						Scaling	NTSC / SECAM / PAL / RS-170	Video Supported
		640 x 480 VGA	800 x 600 SVGA	1024 x 768 XGA	1280 x 1024 SXGA	1600 x 1200 UXGA	1920 x 1200 WUXGA			
115 [3, 4]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	60 Hz	60 Hz	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
117 [3]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	—	60 Hz	On/Off	—	Separate, Composite, Sync-On-Green, DVI-D
121 [3]	All	60, 72, 75 Hz	56, 60, 72, 75 Hz	60, 70, 75 Hz	60, 75 Hz	—	60 Hz	On/Off	Digital Processor, Picture-in-Picture	Separate, Composite, Sync-On-Green, DVI-D

1 Most common video inputs listed. See below for a comprehensive list of supported video standards. Speak with a Sales Engineer for more information.

2 Most common video modes listed. Other video modes supported. Speak with a Sales Engineer for more information.

3 Supports advanced features such as Live Video, Picture-In-Picture (multiple user-selectable sizes), and Picture-By-Picture.

4 Video controller 115 is obsolete and shown for reference only.

VIDEO STANDARDS SUPPORTED All Models

Analog Computer Video	Digital Computer Video	Composite (Live) Video	HD Video	Others
VGA, SVGA, ARGB, RGB, Separate Sync, Composite Sync, Sync-On-Green, DVI-A, STANAG 3350 A / B / C	DVI-D, DVI-I, SD-SDI, HD-SDI	NTSC, PAL, SECAM, RS-170, S-Video, CCTV	HD-SDI, HDMI	CGI, CCIR, EGA, RS-343A, EIA-343A, Custom Sync

CALIBRATION All Models

ddd	Interface	Functions	Advanced
115 [7]	On-screen Displays Navigated by 8-button Membrane Pad	Volume, Brightness, Contrast, Saturation, Hue, Sharpness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical), Utilities	Auto Source Seek, Auto Picture Setup, Auto Color Gain, Auto Power Off, Picture-In-Picture, Color Temperature, Hot Keys, OSD (Position, Timeout, Language [English, Chinese], Transparency), Manual Clock & Phase, Video Standard, Image Orientation, Gamma
117	On-screen Displays Navigated by 8-button Membrane Pad	Brightness, Contrast, Saturation, Backlight Brightness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical)	Picture-In-Picture (PIP), PIP Size, PIP Position, PIP Transparency, Auto Picture Setup, Auto Color Gain, Wide Screen Mode Detection, Manual Clock/Phase, Auto Source Seek, Auto Power Off, Video Standard, OSD (Position, Timeout, Language [English, Spanish, French, German, Chinese], Transparency, Display Input), Image Freeze, Image Zoom & Pan, Color Temperature, Hot Keys, Backlight Setup
121	On-screen Displays Navigated by 8-button Membrane Pad	Brightness, Contrast, Saturation, Hue, Sharpness, Backlight Brightness, Input Signal, Aspect Size (Scaling), Image Position (Horizontal & Vertical)	Picture-In-Picture (PIP), PIP Size, PIP Position, PIP Transparency, Auto Picture Setup, Auto Color Gain, Wide Screen Mode Detection, Manual Clock/Phase, Auto Source Seek, Auto Power Off, Video Standard, OSD (Position, Timeout, Language [English, Spanish, French, German, Chinese], Transparency, Display Input), Image Freeze, Image Zoom & Pan, Color Temperature, Hot Keys, Backlight Setup, Image Orientation (Normal, Horizontal Flip, Vertical Flip, Rotate)

I/O CONNECTIONS All Models

Power (DC)	Analog Video	Keyboard/Pointing Device	On/Standby (DC)	S-Video (Optional)	Composite Video (Optional)	Audio (Optional)
6-pin Circular, Locking	High Density 15-pin Socket	6-pin Mini DIN [5]	Membrane Pad	4-pin Mini DIN	BNC Socket	3.5 mm Headphone Jack

5 Signal for the Keyboard/Pointing Device (DE-9 Socket on enclosure) provided separately via external cable.

KEYBOARD [6]

ee	Grade	Keyboard Enclosure	Keyboard			Pointing Device	
			No. of Keys	Compatibility	Special Features	Type	Compatibility
51	Heavy-Duty Industrial	Metal	82	PS/2	—	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
52	Heavy-Duty Industrial	Metal	82	PS/2	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
53	Heavy-Duty Industrial	Metal	82	Sun® Type 5 (8-pin Mini DIN)	—	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
54	Heavy-Duty Industrial	Metal	82	Sun® Type 5 (8-pin Mini DIN)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
55	Military [7]	Metal	82	PS/2	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PS/2
57	Military [7]	Metal	82	Sun® Type 6 (USB)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 6 (USB)
58	Military [7]	Metal	82	PC USB	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	PC USB
59	Military [7]	Metal	82	Sun® Type 5 (8-pin Mini DIN)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 5 (8-pin Mini DIN)
62 [8, 9]	Military [7]	Metal	121	Sun® Type 6 (USB)	Backlit Keys	1-3/8" Trackball/ 3 Mouse Buttons	Sun® Type 6 (USB)

6 All keyboard electronics, switch activators, optical pick-ups, bearings and connectors are protected against dirt, dust, liquids and general contamination.

7 Certified for MIL-STD-810: Sand/Dust, Salt/Fog, Spill/Rain, Shock (30 G), Vibration (1 G, 4–33 Hz).

8 Configured with the Model 62 keyboard, the SL1-19W meets TEMPEST Level 2 requirements.

9 Requires extended SlimLine 1U drawer, which increases the depth by 2".

POWER SUPPLY [10]

Model Number	Mounting Style	Input Voltage	Input Frequency	Output Voltage	Power (Maximum)	Power Factor Correction
PS-1U-1275-PFC [11, 12]	1U Rack Mount	85–264 VAC (Auto-Sensing)	47–63 Hz	+12 VDC	75 Watt	0.95
90-1105-015/90-160	Standalone/Rack Mount Bracket	90–264 VAC	50–60 Hz	+12 VDC	100 Watt	Yes
-IA30 (<i>hijj</i>)	Internal	90–264 VAC	50–60 Hz	+12 VDC	66 Watt	Yes
-0092 (<i>hijj</i>)	None	+12V	Filtering and regulation provided by customer			
Standalone Power Supplies	Consult with a Sales Engineer to select from a multitude of AC switching or DC–DC supplies that can be mounted within the customer's rack. General Digital can assist in specifying a commercial, industrial or military power supply that will meet your specific requirements.					

10 Includes 6'7" AC Power Cable.

11 Since the SlimLine 1U Series does not include an embedded power supply, we strongly recommend the purchase of a General Digital-manufactured power supply, which is specially designed and tested to work with our LCD monitors. Please note that this supply includes the required DC harness and connector to interface to the monitor.

12 FCC Certified and UL Approved.

DISPLAY OVERLAY (Other overlays available – Please inquire with a Sales Engineer)

gg	Description	gg	Description
00	None	21	Vandal Shield, Polycarbonate or Acrylic
02	Clear Float Glass, Antiglare Etch Two Sides	23	Vandal Shield, Clear Float Glass, Antiglare Etch Two Sides, 2 Panes Bonded (Laminated) Together (Not Bonded to LCD)
04	Clear Float Glass, Antireflective Coating Two Sides	24	Vandal Shield, Soda Lime Glass, Chemically Strengthened (Tempered), Antireflective Coating Two Sides

OTHER OPTIONS & ACCESSORIES (Ordered separately – Please inquire with a Sales Engineer for additional options and accessories)

NVIS Compatibility	Night Vision Displays Compliant to MIL-STD-3009
Sunlight Readable LCDs	High Brightness Displays to 1000+ Nits
Optical Enhancements	Bonding of Filter and Display Using Indice-Matched Optical Materials; Brightness and Contrast Enhancing Films and Laminations
Video Accessories	Video Cables; Signal Extenders; NTSC / PAL / SECAM / RS-170 / S-Video / DVI-D / HD-SDI / SD-SDI / HDMI / HD Component Support; Picture-In-Picture; Picture-By-Picture
Remote Control	IR or Serial Calibration / Control Interface
Customization	Custom Mechanical and Electrical Modifications; Custom Finishing; Custom Software and Performance Modifications; Private Labeling; CD/DVD-RW or Blu-ray Drive; 4-Port USB Hub