

# SLIMLINE COMMERCIAL™

1U/2U Rack Mount, Flip-up LCD Monitor/Keyboard/Trackball



The **SLIMLINE COMMERCIAL SERIES** LCD Monitor/Keyboard/Pointing Device plays the role of the “perfect” complement to General Digital’s other innovative, rack mount products. Optimized for its low profile, the SLC Series is designed to save valuable rack space, as well as providing an economical and user-friendly operator interface. The *SlimLine Commercial’s* compact design makes it the ideal rack mount solution for network administration, data and server centers, telecommunications, and more consumer and commercial applications.

The enclosure is constructed from a combination of steel and aluminum, providing a cost-effective, lightweight housing. 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°.

An aluminum sleeve facilitates rack mounting and ease of operation. Interface connectors for the keyboard, pointing device and input power are located on the rear of the device.

The SLC Series is available with an integrated 15.0", 17.0", 19.0" or 20.1" (diagonal) LCD. Regardless of the display size selected, all of the displays offer contemporary LCD technology, providing users with brilliant, colorful images.

Additionally, users can choose from General Digital’s list of approved keyboard/pointing device combinations to satisfy their consumer and commercial requirements. Please speak with a sales engineer to discuss integration of keyboards not shown on our approved list.

For a more rugged monitor/keyboard/trackball device, we offer the **SlimLine 1U™** and the **SlimLine Lite II™**. Both models are robust enough to meet military standards, offer more options and provide a greater degree of configuration control.

Please feel welcome to contact a Sales Engineer for a no obligation consultation, or visit [www.GDdisplaysystems.com](http://www.GDdisplaysystems.com).

QUICK LOOK

## ENCLOSURE

- » Sturdy Construction Designed to Satisfy Commercial Requirements
- » Continuous-Friction Hinges Permit Display to be Adjusted > 90°
- » Ultra-Low Profile, 1U (1.75" High) Rack Mount Enclosure (15"–19")
- » Low Profile, 2U (3.50" High) Rack Mount Enclosure (20")
- » Easily Mounts in Rack Chassis via 24" Slides (Provided)

## DISPLAY

- » 15.0"/17.0"/19.0"/20.1" Diagonal Active Matrix TFT LCD Display
- » XGA (1024 x 768 pixels) to UXGA (1600 x 1200 pixels) Resolution
- » Fast Response Times Ideal for Real-Time and Video Applications

## VIDEO CONTROLLER

- » Support for Interlaced and Non-Interlaced Video Sources
- » Support for Separate and Composite Sync
- » Resolutions to 1600 x 1200 @ 60 Hz
- » Intuitive On-screen Menus for Display Calibration and User’s Control

## KEYBOARD/POINTING DEVICE

- » Several Commercial-Grade Keyboards from Which to Choose
- » 16mm Diameter Trackball or Touch Pad
- » Traditional Mouse Available

## POWER

- » 120/240 VAC Operation
- » Low Power Consumption (<50 Watts)

## OPTIONS

- » 8- and 16-port KVM Switches
- » Protective Glass Display Overlay
- » Cable Management Systems

## DISPLAY

	Size (Diagonal)	Viewing Area (W x H)	Resolution (Pixels)	Number of Colors	Luminance (0° Max.) [1]	Contrast (Max.) [1]	Response Time (Rise/Decay)	Horizontal Viewing Angle	Vertical Viewing Angle	Shock	Vibration
SLC-15X-499	15.0"	11.97" x 8.98"	1024 x 768	16.7 Million	250 Nits	300:1	5/20 ms	130°	110°	10 g	0.5 g (10-100 Hz)
SLC-17W-599	17.0"	13.30" x 10.64"	1280 x 1024	16.7 Million	250 Nits	350:1	5/20 ms	150°	125°	10 g	0.5 g (10-100 Hz)
SLC-19W-799	19.0"	14.81" x 11.85"	1280 x 1024	16.7 Million	250 Nits	500:1	15/10 ms	170°	170°	10 g	0.5 g (10-100 Hz)
SLC-20U-899	20.1"	16.06" x 12.05"	1600 x 1200	16.7 Million	250 Nits	700:1	25 ms (Total)	110°	110°	10 g	0.5 g (10-100 Hz)

**1** Brightness and Contrast values provided by the manufacturer of the LCD screen.

## VIDEO CONTROLLER

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	1366 x 768 WXGA	1280 x 1024 SXGA	1600 x 1200 UXGA	1920 x 1200 WUXGA			
10 [3]	15.0"/17.0"/19.0"/20.1"	60 Hz	60 Hz	60 Hz	—	60 Hz	60 Hz	—	—	—	Separate Sync

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

**3** Other frequencies supported; please speak with a Sales Engineer for more information.

## MTBF

	Display	Backlight [4]	Inverter	Power Supply (Optional)
SLC-15X-499	> 35,000 Hours	> 30,000 Hours (Typ.)	182,000 Hours	Depends on Supply Selected
SLC-17W-599	> 20,000 Hours	> 30,000 Hours (Typ.)	182,000 Hours	Depends on Supply Selected
SLC-19W-799	> 20,000 Hours	> 30,000 Hours (Typ.)	182,000 Hours	Depends on Supply Selected
SLC-20U-899	> 20,000 Hours	> 30,000 Hours (Typ.)	> 100,000 Hours	Depends on Supply Selected

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

## ENVIRONMENTAL

	Temperature, Operating	Temperature, Storage	Humidity, Operating	Humidity, Storage	Altitude, Operating	Altitude, Storage
SLC-15X-499	0° C to 50° C	-25° C to 60° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SLC-17W-599	0° C to 50° C	-25° C to 60° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SLC-19W-799	0° C to 50° C	-20° C to 65° C	10% to 90% RH Non-condensing	10% to 90% RH Non-condensing	10,000 Feet	30,000 Feet
SLC-20U-899	0° C to 50° C	-20° C to 60° C	10% to 90% RH Non-condensing	10% 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]
SLC-15X-499	1.75" (1U) x 17.30" x 23.64"	Aluminum/Steel	Black Enamel Paint	22 Pounds	32 Pounds
SLC-17W-599	1.75" (1U) x 17.30" x 23.64"	Aluminum/Steel	Black Enamel Paint	24 Pounds	34 Pounds
SLC-19W-799	1.75" (1U) x 17.30" x 25.6"	Aluminum/Steel	Black Enamel Paint	26 Pounds	36 Pounds
SLC-20U-899	3.50" (2U) x 19.00" x 19.4"	Aluminum/Steel	Black Enamel Paint	30 Pounds	40 Pounds

**5** Operating and Shipping Weight vary depending on keyboard selected.

## I/O CONNECTIONS All Models

Power (AC)	Analog Video	Keyboard/Pointing Device	On/Standby
NEMA 5-15 Plug	High Density 15-pin Socket	6-pin Mini DIN or USB	Membrane Pad

## CALIBRATION All Models

dd	Interface	Functions
10	On-screen Displays Navigated by Membrane Pad	Brightness, Contrast, Color Temperature, Frequency, Image Position (Horizontal & Vertical), Language, Phase

**OPTIONS** All Models (Ordered Separately – Please Inquire with a Sales Engineer for Additional Options and Accessories)

**KEYBOARD**

ee	Grade	Keyboard Enclosure	Keyboard			Pointing Device	
			No. of Keys	Compatibility	Special Features	Type	Compatibility
01	Commercial	Plastic	88	PS/2	None	Touchpad/ 2 Mouse Buttons	PS/2
02	Commercial	Plastic	88	PS/2	None	Mini Trackball/ 2 Mouse Buttons	PS/2
03	Commercial	Plastic	88	PC USB	None	Mini Trackball/ 2 Mouse Buttons	PC USB
04	Commercial	Plastic	88	PC USB	None	Mini Trackball/ 2 Mouse Buttons	PC USB
05	Commercial	Plastic	88	Sun® Type 6 (USB)	None	Mini Trackball/ 3 Mouse Buttons	Sun® Type 6 (USB)

**POWER SUPPLY [6]**

Model Number	Mounting Style	Input Voltage	Input Frequency	Output Voltage	Power (Maximum)	Power Factor Correction
IA48	1U Rack Mount	85–264 VAC (Auto-Sensing)	47–63 Hz	+12 VDC	75 Watt	0.95
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.						

6 Includes 6'7" AC Power Cable.

**OTHER OPTIONS & ACCESSORIES [7]** (Ordered Separately – Please Inquire with a Sales Engineer for Additional Options and Accessories)

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, Cable Adaptors (HD 15-pin, 13W3 [SUN], BNC), NTSC/PAL Support, Picture-In-Picture
Remote Control	IR or Serial Calibration/Control Interface
Customization	Custom Mechanical and Electrical Modifications; Custom Finishing; Custom Software and Performance Modifications; Private Labeling

7 These and other options/accessories require a minimum order of 100 units.

**MODEL NUMBER CONFIGURATOR [8]**

Model Style	Size & Resolution (aab)	Display (ccc)	Video Controller (dd)	Keyboard/Pointer (ee)	Industrial Enclosure (ff)	Display Overlay (gg)	Power Supply (hijj)
SLC-	15X-	499-	10-	##-	13-	00-	####
SLC-	17W-	599-	10-	##-	13-	00-	####
SLC-	19W-	799-	10-	##-	13-	00-	####
SLC-	20U-	899-	10-	##-	13-	00-	####

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

**ORDERING**

Model Number [9]	Description
SLC-15X-499-10- <b>ee</b> -13-gg- <b>hijj</b>	SlimLine Commercial, Commercial-/Light Industrial-Grade 15.0" XGA 1U Rack Mount Flip-up LCD Monitor/Keyboard/Pointing Device
SLC-17W-599-10- <b>ee</b> -13-gg- <b>hijj</b>	SlimLine Commercial, Commercial-/Light Industrial-Grade 17.0" SXGA 1U Rack Mount Flip-up LCD Monitor/Keyboard/Pointing Device
SLC-19W-799-10- <b>ee</b> -13-gg- <b>hijj</b>	SlimLine Commercial, Commercial-/Light Industrial-Grade 19.0" SXGA 1U Rack Mount Flip-up LCD Monitor/Keyboard/Pointing Device
SLC-20U-899-10- <b>ee</b> -13-gg- <b>hijj</b>	SlimLine Commercial, Commercial-/Light Industrial-Grade 20.1" UXGA 2U Rack Mount Flip-up LCD Monitor/Keyboard/Pointing Device

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



SlimLine Commercial 20" in stowed and operating positions

