

Rack-Mount 1U LCD Monitor, Keyboard, Mouse Drawer

NI MKD-1117

- 1U height in a 19 in. rack
- 17 in. high-brightness TFT LCD monitor with 1280 x 1024 maximum resolution
- 105-key English keyboard and touchpad mouse
- Drawer slides with thumbscrews and self-locking rails
- Complete rack-mount kit included
- VGA connectivity to the LCD
- USB or PS/2 connectivity to the keyboard and touchpad mouse
- Steel construction
- Universal AC power supply
- CE, FCC, and UL approvals
- Meets EIA-310C and IEC-3 specifications
- RoHS compliance

PXI System Configuration

- Complete PXI system configuration at ni.com/pxiadvisor



Overview

The NI MKD-1117 is a rack-mount drawer that contains a flip-up 17 in. high-brightness LCD monitor, 105-key English keyboard, and touchpad mouse. The MKD-1117 occupies the height of 1U in a 19 in. rack. The drawer slides with thumbscrews and self-locking rails to secure it in and out, respectively. The MKD-1117 has a steel construction and is designed for use with PXI systems, industrial PCs, and desktop PCs in rack-mounted automated and manufacturing test applications.

LCD Monitor

The MKD-1117 flip-up monitor is a 17 in. high-brightness TFT LCD panel. The monitor has a maximum resolution of 1280 x 1024 and includes standard VGA connectivity.

Keyboard and Touchpad Mouse

The MKD-1117 English language keyboard has 105 keys and a touchpad mouse. The keyboard and mouse have standard PS/2 connectivity, and a USB-to-dual-PS/2 adapter cable is included that provides USB connectivity to both the keyboard and mouse using a single USB port.

Rack Mounting

Designed to be rack mounted, the MKD-1117 includes a complete rack-mount kit. It occupies the height of 1U in a 19 in. rack. When used with a PXI system, the MKD-1117 must not block the chassis air outlets located on the top of the chassis. Thus, it should be mounted below a PXI chassis or at least 1.75 in. (44.5 mm) above the top of a PXI chassis.

Shipping Components

- MKD-1117
- Rack-mount kit
- U.S. 120 VAC power cord
- VGA and dual-PS/2 cable
- USB-to-dual-PS/2 adapter cable

Ordering Information

NI MKD-1117779872-01

Additional Power Cords¹

North American 240 VAC763068-01

Japanese 100 VAC763634-01

United Kingdom 240 VAC763064-01

Swiss 220 VAC763065-01

Australian 240 VAC763066-01

Universal Euro 240 VAC763067-01

¹ U.S. 120 VAC power cord included.

BUY NOW!

For complete product specifications, pricing, and accessory information, call 800 813 3693 (U.S.) or go to ni.com/pxi.

Rack-Mount 1U LCD Monitor, Keyboard, Mouse Drawer

Specifications

Electrical

Input	100 to 240 VAC, 50 to 60 Hz, 3 A maximum
Power switch	Rear of product

LCD

Autopower switch.....	LCD backlight turns off when folded down
Diagonal size.....	17 in. (43.18 cm)
Maximum resolution.....	1280 x 1024
Display area	13.30 by 10.64 in. (33.79 by 27.03 cm)
Contrast ratio	450:1
Brightness	300 NTS
Frame rate	60 Hz (typical), 75 Hz (maximum)
Color	16.7M colors
Viewing angle	160/160 deg
Backlight MTBF.....	50,000 hours under 25±5 °C
Control system	OSD
Connectivity.....	VGA

Keyboard and Mouse

Keyboard	105-key, English language
Mouse	Touchpad
Connectivity.....	2x PS/2 (USB-to-dual-PS/2 adapter cable included)

Mechanical

Overall dimensions	17.42 by 1.75 by 21.65 in. (44.24 by 4.45 by 55.00 cm)
Weight.....	15.5 kg (34.2 lb)
LCD monitor folding angle.....	Up to 110 deg
Drawer extension length	17.00 in. (43.18 cm)
Drawer protection	Thumbscrews (in) and self-locking rails (out)

Environmental

Maximum altitude.....	2,000 m
Ambient temperature	
Operating	0 to 50 °C
Storage	-20 to 60 °C
Relative humidity	
Operating	10 to 90%, noncondensing
Storage	5 to 95%, noncondensing
Operating location	Indoor use only
Pollution degree.....	2

Safety and Compliance

Safety

This product is designed to meet the requirements of the following standards of safety for information technology equipment:

- IEC 60950-1, EN 60950-1
- UL 60950-1, CSA 60950-1

Note: For UL and other safety certifications, refer to the product label or visit ni.com/certification, search by model number or product line, and click the appropriate link in the Certification column.

Electromagnetic Compatibility

This product is designed to meet the requirements of the following standards of EMC for electrical equipment for measurement, control, and laboratory use:

- EN 55024: 1998/A1:2001
- EN 55022: 1994/A1:1996/A2:1997
- CE, C-Tick, ICES, and FCC Part 15 Emissions; Class A

Note: For EMC compliance, operate this device according to product documentation.

CE Compliance

This product meets the essential requirements of applicable European Directives, as amended for CE marking, as follows:

- 2006/95/EC; Low-Voltage Directive (safety)
- 2004/108/EC; Electromagnetic Compatibility Directive (EMC)

Note: Refer to the Declaration of Conformity (DoC) for this product for any additional regulatory compliance information. To obtain the DoC for this product, visit ni.com/certification, search by model number or product line, and click the appropriate link in the Certification column.

Waste Electrical and Electronic Equipment (WEEE)

EU Customers: At the end of their life cycle, all products must be sent to a WEEE recycling center. For more information about WEEE recycling centers and National Instruments WEEE initiatives, visit ni.com/environment/weee.htm.

NI Services and Support



NI has the services and support to meet your needs around the globe and through the application life cycle – from planning and development through deployment and ongoing maintenance. We offer services and service levels to meet customer requirements in research, design, validation, and manufacturing. Visit ni.com/services.

Training and Certification

NI training is the fastest, most certain route to productivity with our products. NI training can shorten your learning curve, save development time, and reduce maintenance costs over the application life cycle. We schedule instructor-led courses in cities worldwide, or we can hold a course at your facility. We also offer a professional certification program that identifies individuals who have high levels of skill and knowledge on using NI products. Visit ni.com/training.

Professional Services

Our Professional Services Team is composed of NI applications engineers, NI Consulting Services, and a worldwide National Instruments Alliance Partner program of more than 600 independent consultants and

integrators. Services range from start-up assistance to turnkey system integration.

Visit ni.com/alliance.



OEM Support

We offer design-in consulting and product integration assistance if you want to use our products for OEM applications. For information about special pricing and services for OEM customers, visit ni.com/oem.

Local Sales and Technical Support

In offices worldwide, our staff is local to the country, giving you access to engineers who speak your language. NI delivers industry-leading technical support through online knowledge bases, our applications engineers, and access to 14,000 measurement and automation professionals within NI Developer Exchange forums. Find immediate answers to your questions at ni.com/support.

We also offer service programs that provide automatic upgrades to your application development environment and higher levels of technical support. Visit ni.com/ssp.

Hardware Services

NI Factory Installation Services

NI Factory Installation Services (FIS) is the fastest and easiest way to use your PXI or PXI/SCXI combination systems right out of the box. Trained NI technicians install the software and hardware and configure the system to your specifications. NI extends the standard warranty by one year on hardware components (controllers, chassis, modules) purchased with FIS. To use FIS, simply configure your system online with ni.com/pxiadvisor.

Calibration Services

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. We provide manual calibration procedures, services to recalibrate your products, and automated calibration software specifically designed for use by metrology laboratories. Visit ni.com/calibration.

Repair and Extended Warranty

NI provides complete repair services for our products. Express repair and advance replacement services are also available. We offer extended warranties to help you meet project life-cycle requirements. Visit ni.com/services.



ni.com • 800 813 3693

National Instruments • info@ni.com

