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TSM-1017

GETTING STARTED

NI TSM-101x Touch Screen Monitor

Package Contents

- NI TSM-101x Touch Screen Monitor
- Touch Screen Stylus
- USB A-to-A Cable
- RS-232 Cable



Note Refer to the *NI TSM-101x Series User Manual* at ni.com/manuals for information about optional accessories.

Getting Started with NI Linux Real-Time

1. Connect the desired display interface (VGA, DVI-D, DisplayPort) to the NI Linux Real-Time controller.
2. Connect touch screen modality to the NI Linux Real-Time controller using the USB A-to-A cable.
3. Connect power to the touch screen monitor via the 9 to 36 V terminal block or 9 to 36 V locable DC jack using an optional power supply accessory.
4. To install the necessary drivers, ensure that your NI Linux Real-Time controller has the normal Recommended Software Set (RSS) installed from MAX. Refer to ni.com/gettingstarted for instructions on installing the RSS.
5. In MAX, enable Embedded UI on the NI Linux Real-Time controller and reboot as described in the user manual.
6. Calibrate the touch screen if necessary. Go to ni.com/info and enter the Info Code `CalibrateTouchScreenLinuxRT` for the proper calibration procedure, considerations and best practices.
7. Disconnect power from the touch screen monitor before mounting. Refer to the *NI TSM-101x Series User Manual* for mounting options and instructions.

Getting Started with Windows

1. Connect the desired display interface (VGA, DVI-D, Display Port) to the Windows computer.
2. Connect touch screen modality to the Windows computer using the USB A-to-A cable or RS-232 cable.
3. Connect power to the touch screen monitor via the 9 to 36 V terminal block or 9 to 36 V lockable DC jack using an optional power supply accessory.
4. Download and install the latest PenMount 6000 resistive touch driver for your OS from <http://www.salt.com.tw/en/service-support/downloads/software>.
5. Calibrate the touch screen if necessary. Follow the PenMount driver prompts as described in the user manual.
6. Disconnect power from the touch screen monitor before mounting. Refer to the *NI TSM-101x Series User Manual* for mounting options and instructions.

Preparing the Environment

Ensure that the environment you are using the NI TSM-101x in meets the following specifications.

Operating ambient temperature -20 °C to 60 °C
(IEC 60068-2-1, IEC 60068-2-2)

Operating relative humidity 10% to 95%, noncondensing
(IEC 60068-2-56)

Altitude 2,000 m (800 mbar)

Pollution Degree 2

Indoor use only.



Caution Clean the hardware according to the *Maintenance and Cleaning* instructions provided in the *NI TSM-101x Series User Manual*.



Note Refer to the *NI TSM-101x Series User Manual* at ni.com/manuals for complete specifications.

Worldwide Support and Services

The National Instruments website is your complete resource for technical support. At ni.com/support you have access to everything from troubleshooting and application development self-help resources to email and phone assistance from NI Application Engineers.

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