

What's in the Box?

The development kit includes the following components:

- Catalyst XL Development Kit carrier board with Catalyst XL
- Catalyst Module Display Adapter
- PCIe Gigabit Ethernet card
- 10.4-inch SVGA TFT LCD with touch screen and backlight inverter
- Black DB9FF cable (for maintenance port P2 only)
- 12 VDC adapter and AC cord
- Two USB flash drives loaded with Windows® CE Pro and Windows Embedded Standard
- FreeDOS USB flash drive

Preparing the Development Kit

Your development kit has been designed to work out of the box. When handling the system, use a wrist strap and/or ESD mat. Follow these steps to prepare it for use:

1. Install the Ethernet card in PCIe slots J12, J14, or J15 (not in J10 or J11).
2. Ensure display adapter is seated well in socket J11.
3. Connect a keyboard and mouse.
4. Connect the 12 VDC adapter to power socket J29.

Booting the Development Kit

Complete these steps to boot your development kit:

1. Insert the USB boot drive into one of the J4 sockets.
2. Momentarily press the On/Off button (SW2). Power LEDs D25 and D26 light, and the Port 80 Status Display (D36) indicates BIOS boot loader progress. After several seconds, the Eurotech logo appears and the operating system (OS) begins to boot.

Operating System Details

Windows Embedded Standard

- Press CTRL+ALT+DELETE for the login screen.
- Log in with user name "Administrator" and no password.
- To recalibrate the touch panel and enable right-click functionality, run "hwincal.exe" from the C:\ProgramFiles\Tsharc\ window.
- You can find the version of your OS in Control Panel→System→General→Support Information.
- To shut down, click Start→Shut Down, then select Shut Down from the OS menu. Wait till the power LEDs D25 and D26 turn off before disconnecting power. D27 turns off when the adapter is unplugged.

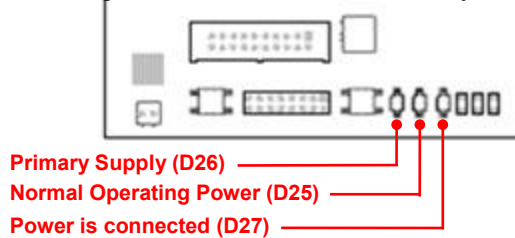
Windows CE Pro

- The system boots to the Windows CE Pro desktop.
- CE beta R2 does not reliably support use of USB HID devices, including the USB-driven touch panel controller. Use a PS/2 keyboard or mouse.
- To calibrate the touch panel, click Start→Programs→TSHARC calibration.
- You do not have to perform a shutdown before you disconnect power; however, avoid doing so while files are being written to external memory.

Features

Power LEDs

The following LEDs indicate the status of system power:



Resetting the Development Kit

To reset, press SW1. Press only if there is a catastrophic fault or hang of the OS. User data can be lost and the boot media can be corrupted by an unexpected reset.

Shutting Down the Development Kit

If the shutdown methods provided by the OS are not available, press and hold SW2 for about seven seconds to turn off the system. The same cautions about potential file corruption from a reset apply to this type of shutdown.

Everyware™ Software Framework

The Catalyst XL is available with the Everyware Software Framework (ESF). Information about ESF is available at

<http://esf.eurotech.com/>

Technical Support

The Eurotech support site includes errata reports, the latest releases of documents, and developer's forums. These resources are available to registered developers at:

<http://support.eurotech-inc.com/>

Connecting to a Network

Network settings are configured to operate with a DHCP network. To connect to your network, connect your network cable to the Ethernet card.

Changing BIOS Settings

BIOS defaults have been selected to enable the development kit to operate in a standard configuration.

Complete these steps to change the BIOS settings:

1. Remove the OS USB boot drive from the socket.
2. Reset the development kit.
Within a few seconds, the BIOS setup utility appears.
3. Change the applicable BIOS settings.
4. In the Exit tab, select Exit Saving Changes.
5. Reinsert the OS USB boot drive into the USB socket.
6. Reset the development kit.

Troubleshooting

The following are tips for troubleshooting common problems:

- USB peripheral not recognized:
 1. Reseat the device in its socket.
 2. Low- and full-speed USB devices are not recognized in high-speed-only socket J4.
 - Maintenance port P2 is not for application use and does not follow the EIA-232C standard. If you are directed to use this port when working with Eurotech staff, use the black DB9FF cable supplied in this kit.
- See the support forums for additional tips.

Next Steps

For additional information about the Catalyst XL, download the following documents from the support site or contact your local sales representative.

Document

Catalyst XL Dev Kit User Manual	110122-3001
Catalyst Module Dev Kit Schematic	110122-3002
Catalyst XL Design-In Guide	110122-2003

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