



What's in the Development System?

The development system includes the following:

- Zypad BR2000
- CompactFlash card loaded with Windows® Embedded Standard (installed in unit)
- CompactFlash card loaded with Wind River Linux
- Lithium-Ion battery pack
- Battery charger with AC power adapter
- Zypad BR2000 AC power adapter
- Starter cable set
- Utility USB flash drive
- Utiliboot USB flash drive (Wind River Linux OS recovery)
- Zypad BR2000 Documentation DVD

Preparing the Zypad BR2000

Follow these steps to prepare your Zypad BR2000 for use:

1. Connect the three starter cables to the Zypad BR2000.
2. Connect a VGA display to the SVGA socket located on the cable connected to J2.
3. Connect a USB keyboard and USB mouse to any USB host port located on the cable connected to J1 or J2.
4. Insert the battery pack into the unit or connect the power adapter. When the power adapter is connected, the System Power LED, located under the LED status indicator access panel, lights to blue. When using the battery pack without AC adapter, the LED will not be lit.

Booting the Zypad BR2000

- Press and hold the Power On/Off Button for at least two seconds but no longer than four seconds. Release when the System Power LED changes to green indicating the power is on.
- After 10 to 30 seconds, the Eurotech logo appears on the VGA display.

Operating System Details

Windows Embedded Standard (WES)

- Complete these steps to enable Bluetooth functionality:
 1. Click Start→Control Panel→Hardware→Device Manager.
 2. View Devices by connection. If the Bluetooth device is not shown enumerated in the device list, go to step 3.
 3. Disable then enable the second "Generic USB Hub" under "Intel SCH Family USB2 Enhanced Host Controller – 8117".
- To enable the GPS application, run `u-center.exe` located in the `c:\drivers\u-center\u-center\contents\directory`.

Wind River Linux 4.2

- You can log in from the console interface. The `root` account password is “IsiTech”.
- X Windows is included. Use “`startx`” to start it.
- Shut down the system before disconnecting power. To shut down, enter “`poweroff`” at a shell prompt.
- The serial console baud rate is 115k.

Features

Configuration Control and Maintenance Display

The small OLED graphics display located on the side of the unit will rotate through a series of graphic images. This display is controlled programmatically.

System Sleep/Resume

When the system is in Sleep mode (S3), a momentary press of the Power On/Off Button will return the system to normal operation.

Secure Erase Button

As a custom factory configuration, the Zypad BR2000 can support a zeroization function by pressing the Secure Erase Button. The development system does not enable this feature. Contact Eurotech for availability.

Battery Charging

- Charge the battery pack by connecting the AC power adapter or removing the battery pack and using the external battery charger.
Note – the system will charge the battery pack when installed if the AC power adapter is connected and the unit is powered off.
- The Zypad BR2000 can include an internal backup battery providing quick swap capability for the removable battery pack.
- This release does not support the following features:
 - Internal backup battery
 - Quick swapping of the battery pack

Shutting Down the Zypad BR2000

Shutdown using the methods provided by the OS. If these are not available, press and hold the Power On/Off Button for at least four seconds to turn off the system. User data can be lost and the boot media can be corrupted by an unexpected shutdown.

Zypad BR2000 Documentation DVD

The Zypad BR2000 Documentation DVD includes the following:

- Zypad BR2000 User Manual
- Zypad BR2000 Development System Quick Start
- WES OS Recovery Image

Zypad BR2000 Development System

The components included in the Zypad BR2000 Development System are listed in the *Zypad BR2000 User Manual (Eurotech document # 110125-2000)* on page 26.

Details about the Zypad BR2000 Starter Cable Set are available in the *Zypad BR2000 User Manual Appendix B*, starting on page 27.

Next Steps

For additional information about the Zypad BR2000, refer to the *Zypad BR2000 User Manual* included with your development system or contact your local sales representative.

Everyware™ Software Framework

The Zypad BR2000 supports Everyware Software Framework (ESF). If your application requires ESF, contact your local Eurotech representative. 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/>

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