

Wind River Pulsar Linux Get Started Guide



Wind River Pulsar Linux and Avnet Zynq SoM Plug-and-Play Application Kit

Wind River® and Avnet are pleased to bring you a commercial-grade certified Linux distribution to meet your embedded development needs. This Zynq® system-on-module (SoM) comes with a complete Linux run-time environment and an update agent preconfigured to connect to a trusted Wind River package repository.

Right out of the box, you get:

- A binary image certified for the Avnet hardware platform through extended testing and validation processes
- A pre-packaged binary image for quick prototyping
- Access to security updates and other critical Linux updates
- Extensibility through the use of package download feeds; packages can be installed directly on the device
- An application development toolkit to connect to a cloud repository for rapid application development
- Built-in container support for application middleware abstraction by running multiple isolated systems (containers) on a single control host.

Wind River Pulsar Linux is preinstalled on the 8 GB micro SD memory card inside this kit.

pulsar.windriver.com



GETTING STARTED:

1. Insert the SD card into the device.
2. Provide Internet access by connecting a modem and Ethernet cable to the device.
3. Configure, connect, and power your board as described in the hardware quick start card included with this kit.
4. When the board is powered, various LEDs will illuminate immediately. Shortly afterward, the blue DONE LED will illuminate to indicate that the programmable logic on the Zynq device has been configured. Output to the console will then start to appear.
5. Wait for the device to boot up Pulsar.
6. At the login prompt, use the credentials `root:incendia` to log in to the system. You may change the password after the first login.
7. Test the network. For example, in the console window, enter: `ping www.avnet.com`.

To ensure you have the latest firmware installed on your device, immediately after login run the `#smart update & smart upgrade -y` commands.

Check out the documentation and development examples available at: pulsar.windriver.com



DEVELOPMENT: PUT PULSAR TO WORK

This kit enables you to immediately start developing applications within minutes from powering up the device. Pulsar comes pre-packaged and is available right after you boot the image. You must have an Internet connection to access the Wind River public repository.

For example, you can add a package to the device using the Smart Package Manager, as follows:

1. Download Links, a text-only Web browser, from the Wind River repository:
`# smart install -y links`
2. Start Links:
`# links http://windriver.com`

PRODUCTION: STAY SECURED

Pulsar's regular updates and security patches—Security Shield—can protect you from the risks associated with managing your embedded software across its entire lifecycle, from initial design to retirement. For more details, contact your Avnet selling representative or go to pulsar.windriver.com.

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