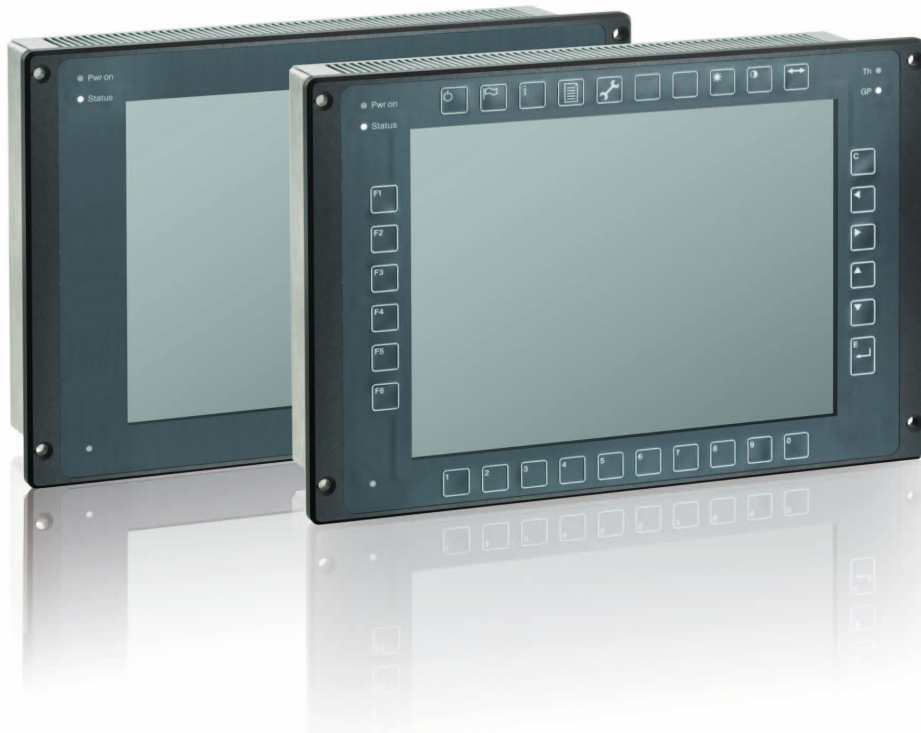


» Linux BSP EF001 for HMITR «



Kontron Linux BSP and Rescue Image for HMITR

- » Based on Redhat Fedora 14 LXDE
- » Supports platform specific devices
- » Recovery, Image installation, FW-update via SD-Card
- » UIC-612 key and Touch Controller support
- » License Free

Linux BSP EF001 for Intel® Atom E6xx based Platforms

The Kontron BSP's are designed to get customers started immediately with application development instead of first getting involved with BSP integration or hardware bring-up issues.

Support of board specific devices and interfaces has been added to the BSP to achieve the full benefit of the functions provided by the hardware.

This BSP comes with drivers, libraries, demo applications, all it's sources and a detailed online documentation.

By means of the Rescue Image, installation of a Fedora 14 image onto the onboard Flash disk, including all drivers and libraries, and the correct system configuration, only requires a few mouse clicks.

Supported Features

| | |
|--------------------------------|--|
| Supported Platforms | HMITR |
| Supported Distributions | RedHat Fedora 14, LXDE with a customized Linux kernel 2.6.37 |
| Board Library | Common API over all supported Kontron Boards |
| Ethernet | 3 x 10/100/1000 BASE-T Gigabit Ethernet Interfaces WLAN support with 802.11 a/b/g/n |
| Serial | 3 x Standard RS232 serial Ports |
| USB | Host Controller Interface |
| Mass Storage | MM-SATA Flash Disk, SDHC Card |
| Integrated Devices | Hardware Watchdog (RESET, IRQ, TIMER, Dual-Stage) EEPROM for user data storage Support for RTC's with synchronization utility GSM support |
| GPS | Linux GPS-Daemon gpsd, graphical Frontend tangogps |
| CAN | CAN Layer 2 via SocketCAN library |
| Additional Features | UIC612 Keyboard support, Hotkeys pre-configured Touch Controller support Access Utilities to the HMI Display Firmware |

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