IGEPv2 Board Quick Installation Guide

1. Before getting started with IGEPv2 board

• Visit ISEE website:

http://www.igep.es

Register and login into IGEP web site.

Download manuals (see next page)
- • Hardware Reference Manual
- • SDK Software Manual
• Download software (see next page)
- • Virtual Machine SDK Software
- •SW_Releases

Useful information

Virtual Machine SDK Software:
- • username: *jdoe*
- • password: *letmein*

IGEPv2 board poky-linux dist:
- • username: *root*
- • password: *letmein*
- • IP@: *192.168.254.254*

UBUNTU demo microSD:
- • username: *jdoe*
- • password: *letmein*

IGEPv2 BOARD Hardware Specification

Processor OMAP3530 (ARM Cortex-A8)
Processor Speed 720 Mhz
Memory SDRAM 512 MBytes LPDDR SDRAM – 200 Mhz
OneNand Flash 512 Mbytes
DSP TMS320DM64+
Video 3D Accelerator PowerVR SGX 530
Debug Console RS232 + JTAG Interface
USB 2.0 LS/FS/HS OTG 1 Mini AB USB socket connector (dual slave and host role)
USB 2.0 HS HOST 1 Type A USB socket connector (standard USB host)
Audio stereo in/out 3.5mm standard stereo audio jack
microSD microSD connector (SD and SDHC cards supported)
DVI video output DVI-D using HDMI connector. (video and TS lines are available in expansion connector also).
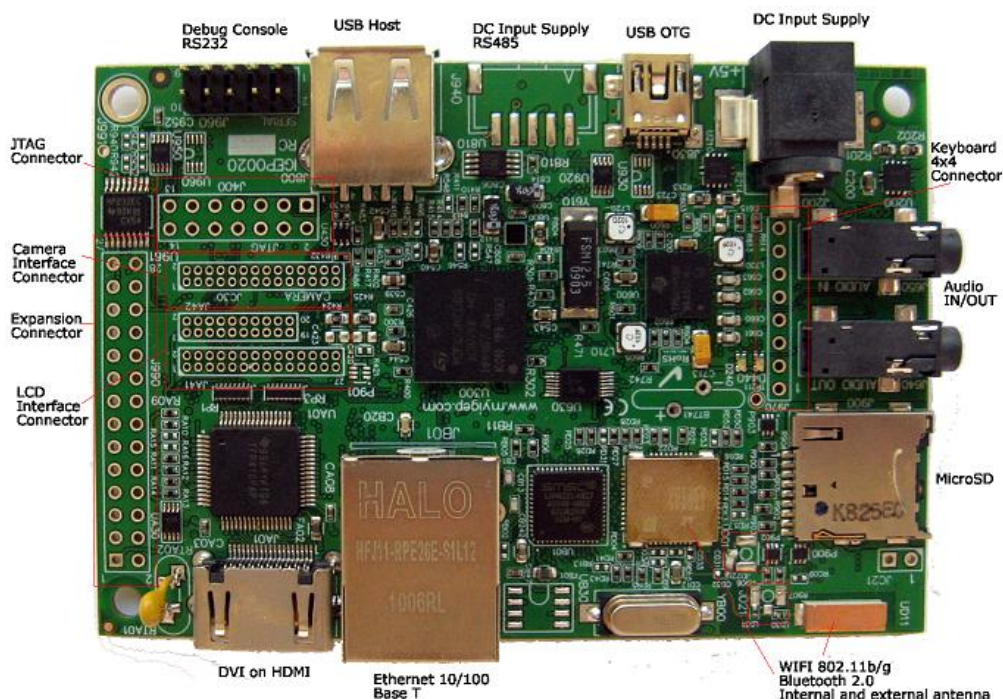**Wifi** IEEE 802.11b/g 2,4GHz
Bluetooth 2.0
Antenna WiFi/Bluetooth 1 shared internal antenna (integrated on PCB)
Ethernet 10/100 MB BaseT (RJ45 connector with led link/activity)
PCB size 93 x 65 x 1.6 mm
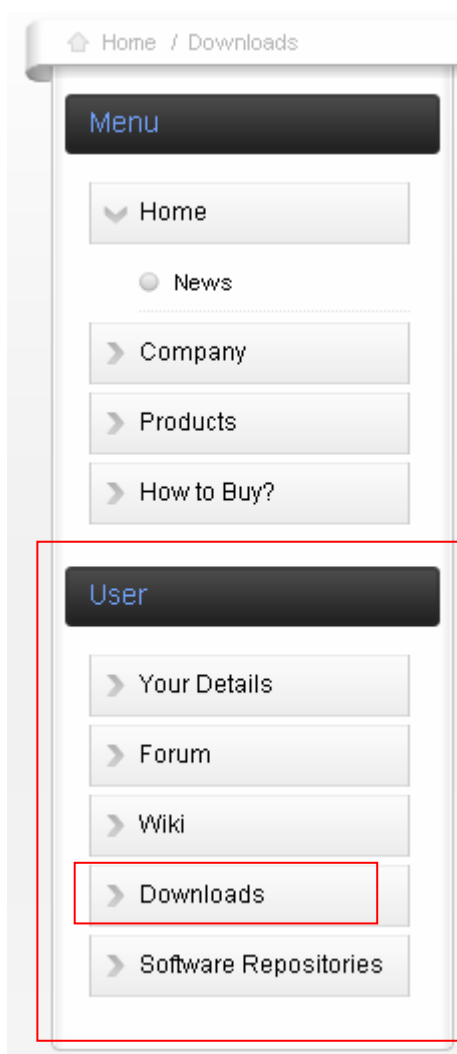**Indicators** 2 Bicolor USER LEDS
Temperature Range Industrial range (-40 to +85 °C)

(Document MAN-PR-IGEP.0020-002.08_Quick_installation_guide.doc)

IGEP WEB SITE: http://www.igep.es
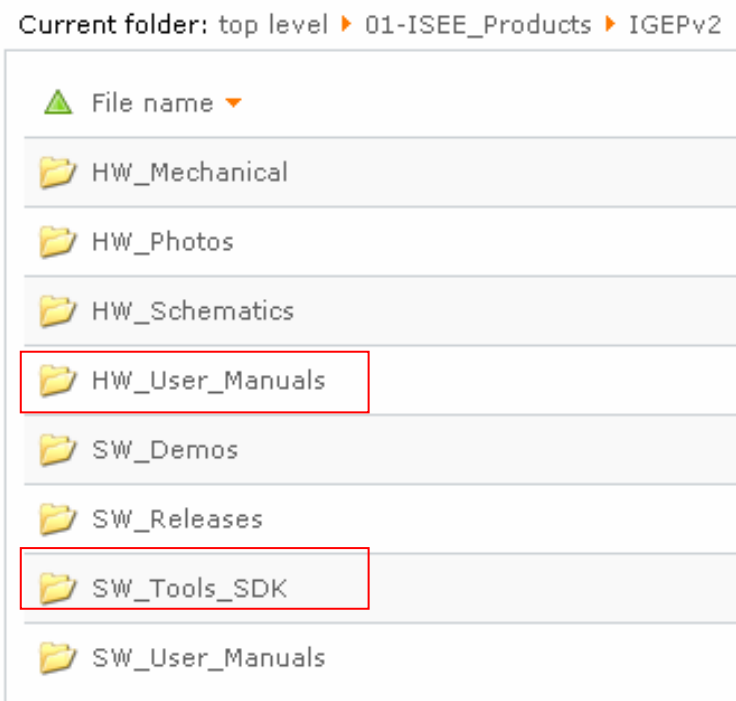
English

1. First of all register and login

2. User Menu will appear. Select Downloads option

3. Choose "*01-ISEE_Products*" directory and then "*IGEPv2*" directory. All information related to IGEPv2 board is located here
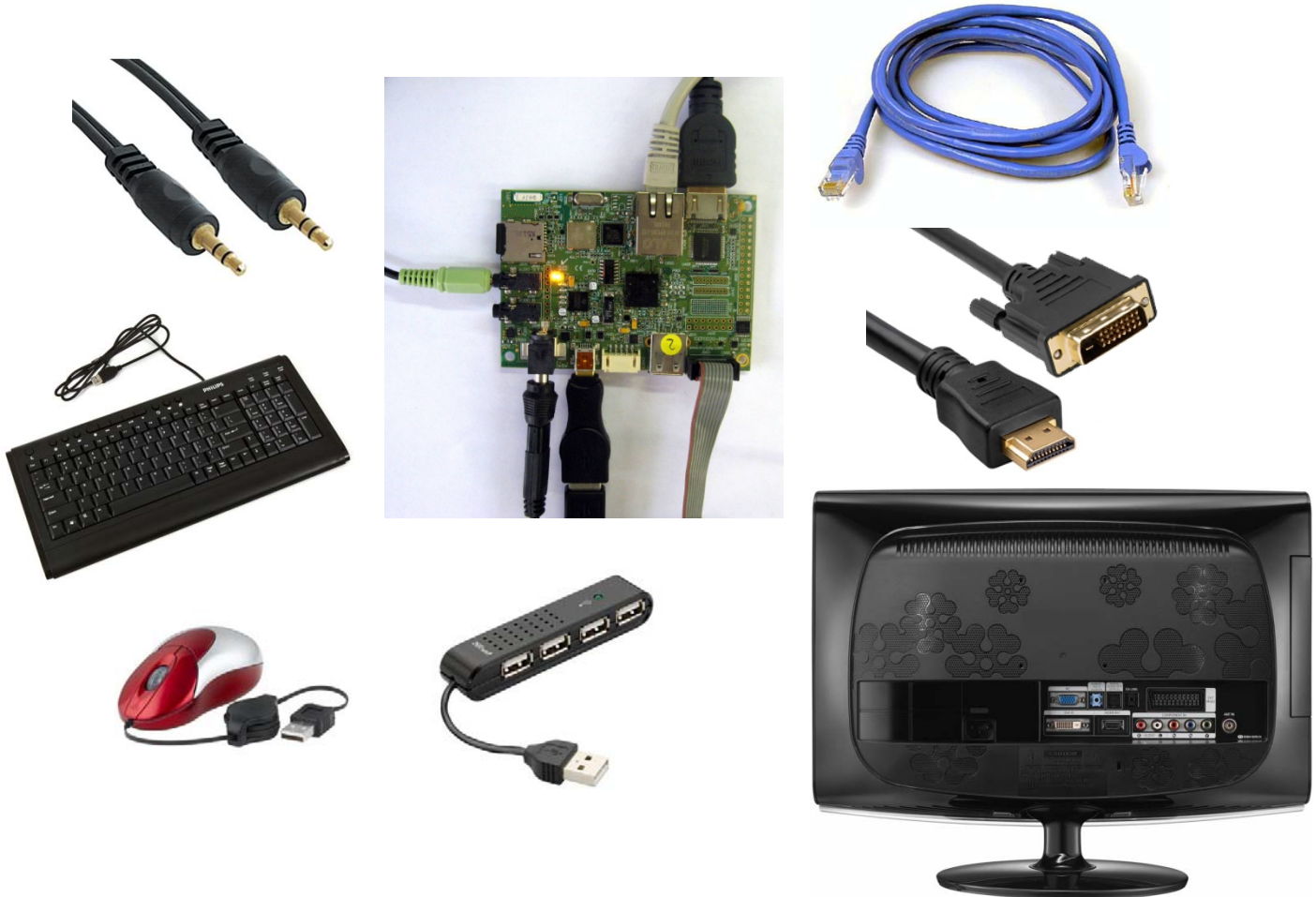

4. Hardware Manuals and Virtual Machine SDK are located on "HW_User_Manuals" directory and "SW_Tools_SDK" directory respectively.

2. Getting started with IGEPv2 board

a. You need the following additional components: a TFT with DVI-D connector, a DVI-HDMI cable, a stereo audio cable, a UTP LAN cable, a USB HUB 2.0 a USB keyboard and a USB mouse.

b. Before powering the IGEPv2 board, check that you have plugged in the DVI cable, the USB HUB, the USB keyboard and the USB mouse.

WARNING: In order to protect the DVI interface, it is better to plug in the DVI cable before powering the IGEPv2 board.

c. Connect the power supply jack to the IGEPv2 board.

WARNING: THE IGEPv2 BOARD CAN ONLY BE POWERED WITH 5VDC POWER SUPPLY OR THE BOARD WILL BE DAMAGED!

For warranty and additional information about IGEPv2 board, please check Hardware Reference Manual on http://www.igep.es .