

# EC1400

## ARM Embedded Computer with 7"/8"/10" LCD, Android / Linux / WinCE OS

### Features

- 7"(800x480) / 8"(800x600) / 10.1" (1024x600) display with 4-wire resistive touch screen
- Light weight, compact and low power consumption
- MPEG2/4/H.264 hardware video decoder
- ARM Mali graphic engine. Open GL/ES 2.0 support
- 16 channel digital GPIO for control and connection
- RS232/RS485 interfaces for peripheral connection
- USB, Micro SD card storage interfaces
- Audio interfaces are available
- HDMI output (EC1400 only)
- Multiple OS support : **Android 2.3**, **Linux 2.6**, **WinCE 6.0**

EC1407 (shown with Linux)



EC1408 (shown with WinCE)



EC1410 (shown with Android)



# Specifications

|                           | EC1407   | EC1408           | EC1410           |
|---------------------------|--|------------------|------------------|
| <b>Display</b>            | 7" TFT LCD   | 8" TFT LCD       | 10.1" TFT LCD    |
| <b>Display Resolution</b> | 800x480  | 800x600          | 1024x600         |
| <b>Colors</b>             | 262K   | 262K             | 262K             |
| <b>Touch Screen</b>       | 4w resistive   | 4w resistive     | 4w resistive     |
| <b>OS</b>                 | <b>Android 2.3 / Linux 2.6 / WinCE 6.0</b>               |                  |                  |
| <b>Processor</b>          | ARM1176 processor @ 700Mhz                               |                  |                  |
| <b>Storage</b>            | 512MB NAND Flash   |                  |                  |
| <b>Memory</b>             | 256MB DDR2 SDRAM   |                  |                  |
| <b>Audio</b>              | Line In x 1 + MIC In x 1 + Ear Phone x 1                 |                  |                  |
| <b>HDMI</b>               | 1920x1080 output (Only EC1400)                           |                  |                  |
| <b>Video</b>              | MPEG2/MPEG4/H.264 hardware video decoder                 |                  |                  |
| <b>Wireless LAN</b>       | 802.11 b/g/n WiFi ( <b>Optional</b> )                    |                  |                  |
| <b>LAN</b>                | 10/100 Ethernet x 1                                      |                  |                  |
| <b>USB</b>                | USB2.0 OTG port x 1 + USB1.1 Host port x2                |                  |                  |
| <b>SD Card</b>            | Micro SD card slot x 1                                   |                  |                  |
| <b>Serial Port</b>        | RS232 x1 + RS485 x1 + debug (console) port x1            |                  |                  |
| <b>GPIO</b>               | 16 channel (digital, +3.3V)                              |                  |                  |
| <b>Enclosure</b>          | Aluminum, VESA mounting (EC1407 requires a mounting kit) |                  |                  |
| <b>Power Input</b>        | DC +12V @ 1.5A   |                  |                  |
| <b>Environment</b>        | Operating Temperature: 0°C ~ 60°C (EC1410: 0°C ~ 50°C)   |                  |                  |
| <b>Dimension</b>          | ~200x114x29 (mm)   | ~212x165x47 (mm) | ~263x170x47 (mm) |
| <b>Weight</b>             | ~700g  | ~800g            | ~1300g           |

## Ordering Information:

### EC14 Embedded Computer --

| Part No. | Descriptions           | Part No. | Descriptions             | Part No. | Descriptions           |
|----------|------------------------|----------|--------------------------|----------|------------------------|
| EC1400NL | NO LCD, HDMI, Linux    | EC1400NA | NO LCD, HDMI, Android    | EC1400NC | NO LCD, HDMI, WinCE    |
| EC1407TL | 7" LCD w TP, Linux OS  | EC1407TA | 7" LCD w TP, Android OS  | EC1407TC | 7" LCD w TP, WinCE OS  |
| EC1408TL | 8" LCD w TP, Linux OS  | EC1408TA | 8" LCD w TP, Android OS  | EC1408TC | 8" LCD w TP WinCE OS   |
| EC1410TL | 10" LCD w TP, Linux OS | EC1410TA | 10" LCD w TP, Android OS | EC1410TC | 10" LCD w TP, WinCE OS |

### EC14 Package Content :

1 x EC1400/EC1407/EC1408/EC1410 Embedded Computer  
 1 x Power Adapter  
 1 x pin header to DB9 Cable  
 1 x CD (software, manual)



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