

UCA™ In-a-LINUX-box General



- Sub-Credit card size PC
- JUMPtoc DIMM-Concept
- Embedded LINUX
- Embedded UCA™ (IEEE TR1550)
- Embedded Web, ftp, telnet server
- 10 Mbps Ethernet (2nd board today)
- TCP/IP, OSI, and Serial (ADLC)
- Ready-to-build UCA Gateways

The UCA™ In-a-LINUX-box is a complete PC, with embedded UCA/MMS, ftp, telnet, and Web server solution for manufacturers of any kind of intelligent electronic devices (IED), or for products with embedded control, who need a way to rapidly create smart UCA/MMS, Web, Internet, and Ethernet-ready devices.

The UCA™ In-a-LINUX-box product's focus is to "keep integration simple" and to hide the complexity of all standards used.

What's new?

- This embedded solution is the first full seven layer UCA™ implementation running under LINUX.

Features



- Processor: AMD ELAN TM 410 (AM486 TM CPU core, 33, 66 and 100 MHz)
- 16 MB EDO-Memory
- IDE compatible flash-harddisk with 16 MByte (IDE master)
- IDE-hard disk-interface (IDE slave)
- Floppy-interface
- two serial ports, one parallel port
- Real time clock
- Keyboard-controller
- EEPROM for CMOS-SETUP
- I²C-Bus (for slave devices only)

Electrical Specification

- Supply voltage: 5V DC +/- 5%
- Supply current (typical): 510 mA at 66 MHz
- Suspend Supply current (typical): 87 mA

Temperature

- Operation: 0 to 60° C; storage: -40 to 85° C

Dimensions

- Length 67.6 mm (2.66"), width 40.0 mm (1.57"), height: 8 mm

DIMM Ethernet Card

- Crystal LAN CS8900 Ethernet Adapter
- Follows IEEE 802.3 standards
- Supports half- or full-duplex operation 10 Mbps Ethernet

Embedded servers/models

- **FTP, WWW, Telnet, and UCA/MMS (CASM & GOMSFE)** ✓

peripheral functions

- COM1, COM2, LPT1, floppy- and IDE-harddisk-interface.

What's next?

- **IEC 61850 conformity:** - support of 61850-7-x and 61850-8-1 ✓