



Aplio/TRIO compatibility list

Features

- Extended Data Out (EDO) DRAM.
- Flash PROM.
- LCD controllers (text characters and graphics).
- Ethernet MAC 10 and MAC 10/100.
- Codecs.
- DAA's.

Memory

The Aplio/TRIO is designed to be compatible with a wide range of memory components from various suppliers.

DRAM

EDO DRAM chips.

- Alliance AS4LC1M16E5-60TC (board-tested)
- Micron MT4C1M16E5DJ-6 (other possible packages)
- Siemens HYB5118165BSJ-60 (other possible packages)
- ISSI IS41LV16100-50T (other possible packages)
- Mosel AS4LC1M16E5 (other possible packages)

The following models are **NOT** compatible with the Aplio/TRIO:

- Any Fast Page Mode (FPM) DRAM chip
- Any S-DRAM (Synchronous) chip

Flash PROM

Preferred "Bottom"-type of organization. 1M*16 chips.

- AMD 29LV160BT-80 (board-tested)

- Toshiba TC58FVT160FT-85 (board-tested)

The following models are currently **NOT** compatible with the Aplio/TRIO:

- SST 39VF160, 39VF160Q and 39VF016 rev A (*SST notice of deviation 329NOD-02*)

Data peripherals

The flexible bus interface of the Aplio/TRIO allows to use a variety of different peripherals. A list of the most common peripherals in Internet Appliances is provided here.

Character text LCD controllers

3.3V-based controllers with fast enable times (less than 350ns). In a very large list of compatible products it is possible to use:

- Winbond W33D0160

Graphic LCD controllers

Requiring a 240-pin Aplio/TRIO (for Bus Clock)

- Epson/Seiko SED 1354/1355/1356 (driver available)
- Epson/Seiko SED 1375

Ethernet 10 MAC controllers

- Crystal CS8900 (driver available)
- All ISA-based MAC controllers

Ethernet 10/100 MAC controllers

- All ISA-based MAC controllers

Voice peripherals

The flexible bus interface of the Aplio/TRIO allows to use a variety of different peripherals. A list of the most common peripherals in Internet Appliances is provided here.

PCM codecs

Interface to the handset.

- OKI 7716 (driver available)
- OKI 7717
- Crystal CS4220

DAA

Interface to the PSTN network.

- Silicon Labs Si3044 and Si3034 (driver available)

For more information, please contact the nearest APLIO office or visit our web site at www.aplio.com

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