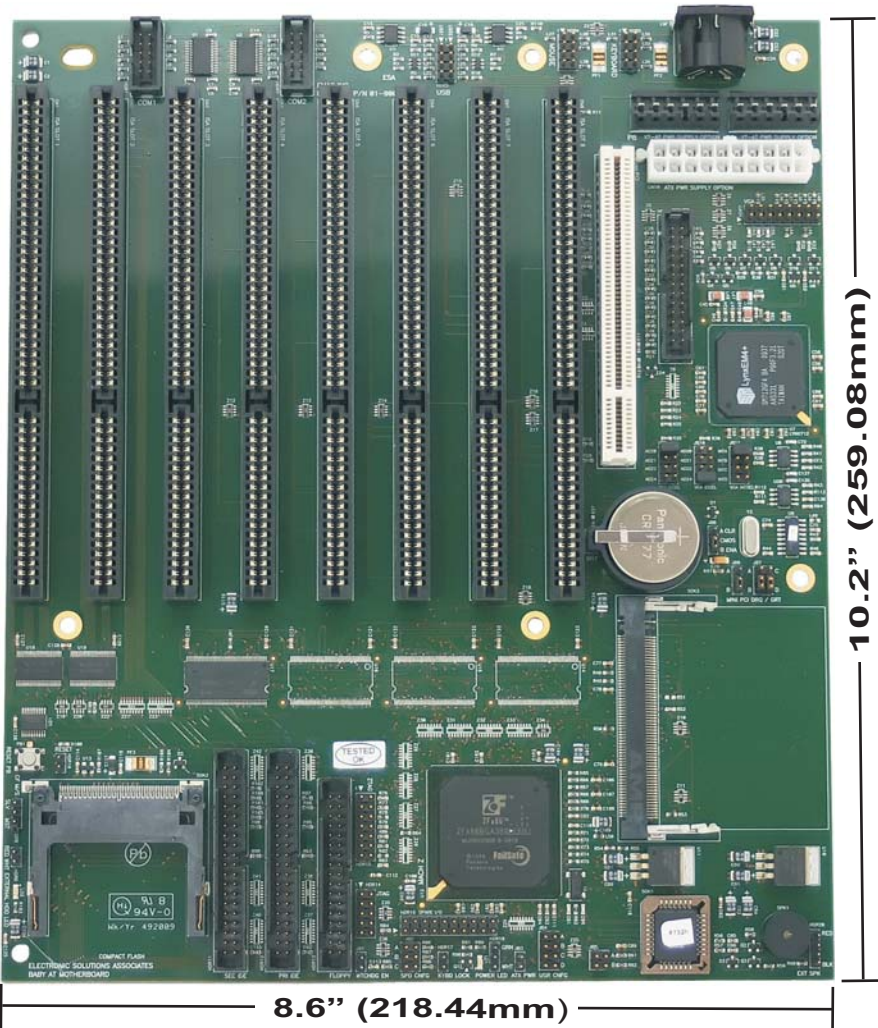




Electronic Solutions Associates

Computers Engineered For Industry.



ORDERING INFORMATION:

- ESA-486AVR-008** – 8MB Memory
- ESA-486AVR-032** – 32MB Memory
- ESA-486AVR-128** – 128MB Memory
- CABLE-ESA9** – Video cable and bracket sold separately



ESA is an industrial computing solution provider. We provide custom industrial workstations, servers, and subsystem solutions to the industrial, medical, municipal, and military sectors. We provide you an ESA decision maker as your central point of contact and apply our 40 years of combined engineering expertise to your unique set of requirements.

ESA's industrial motherboards include 486 AT legacy, ATX, single board computers (SBCs), and backplanes. As engineers, we understand the need for long life boards with robust components.

Electronic Solutions Associates
 803 Stevens Avenue, Oldsmar, FL 34677
<http://www.esapsolutions.com>

08-OCT-2010

ESA-486AVR™ Baby-AT form factor Motherboard

- **CPU:** ZF86™ System - on-Chip.
 - Includes CPU and Chipset
 - Ultra-low power, less than 1.0W @ 100MHz
 - User selectable CPU speed. Jumper for: 33MHz, 66MHz, 100MHz
- **RAM:** 8MB PC-100 SDRAM on board (32MB and 128MB available)
- **USB:** two on board native - ver 1.1 (Future)
- **Video:** Silicon Motion graphic controller on board; SM712 with internal 4MB memory
- **FCC and CE certification**
- **Baby-AT form factor Motherboard:** 8.6" x 10.2"
 - 8 ISA slots
 - 1 PCI slot
 - one mini-PCI slot
 - AT and ATX power connectors
 - 2 Serial & 1 Parallel (native to chipset)
 - 1 FDD
 - 2 IDE - headers on board for the standard primary and secondary
 - **Speaker** on board
 - **Reset Button** on board
 - **Power LED** on board
 - **HDD LED** on board
 - **Watchdog Timer**
 - **GPIO** input set up in a standard format
 - **AT Keyboard** connector
 - **PS/2 KB & mouse** headers
- **BIOS:** Phoenix
- **DR-DOS 7.0** license included
- **Storage:** bootable **CF** connector on board (uses no extra memory addresses)
- **Headers:** PS/2 for KB and Mouse,

ESA-486AVR 486 Motherboard Standard Jumper Settings

Jumper Header	Jumper Description	Jumper Position - State	Jumper Diagram
JB6	MINI PCI	JB6_B (B-ON)	
JB7	DRQ/GRT	JB7_B (B-ON) JB7_D (D-ON)	
JB8	CMOS CLR/ENA	JB8_B (B-ON)	
JB9	PCI IDSEL	JB9_0 (AD20-ON)	
JB10	VGA IDSEL	JB10_4 (AD24-ON)	
JB11	VGA INTSEL	JB11_A (INT A-ON)	
HDR8	CF M/S	HDR8_Disabled	
ALL OTHER JUMPERS	-	OFF	