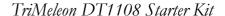
Fax: +49 30 - 515 932 - 299 e-mail: contact@dresearch.de

WWW: http://www.dresearch.de Managing Director: Dr. Michael Weber

County court Berlin-Charlottenburg · HRB-Nr. 54412 Accounting details:

> Dresdner Bank AG Bank code number: 120 800 00

Account number: 40 472 475 00



The TriMeleon DT1108 Starter Kit contains the TriMeleon DT1108 board, an Evaluation Board, a manual and CD-ROM with instructions, board service package software for Philips SDE 2.1, a flash loader via serial interface, a demo program and detailed documentation about the TriMeleon.



TriMeleon DT1108

Fields of Application

Evaluation Board

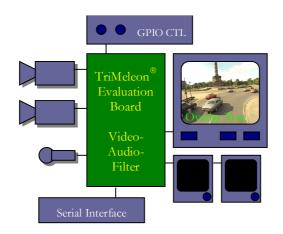
telecommunication applications. multimedia applications. It integrates on a small area (62 mm x 98 mm) the Philips TriMedia Multimedia Processor, up to 16 Mbytes (standard 4 Mbytes) SDRAM, up to 16 Mbytes (standard 4 Mbytes) flash memory, and analog audio and video I/O interfaces including all necessary A/D and D/A converters.

With its compact, power-saving and cost-effective design, the board expands into regions previously reserved expensive and difficult to program custom design DSP solutions.

The board can be easily • widespread connected to multimedia devices e.g. cameras, TV and audio sets

The TriMeleon DT1108 Board In combination with the powerful TriMedia The TriMeleon Evaluation is a compact, high-performance processor and the universal and multipurpose Board is a compact support board for video, audio and interface, the system can be used for a variety of module for the TriMeleon

Example: video and audio filter with text overlay



DT1108 Board. It was created for users to work with or to develop around the TriMeleon DT1108 Board. Located near the experiment area are the numerous audio and video connectors. The Evaluation Board is especially suited for development prototypes.

- video signal conversion (PAL to NTSC and vice www.dresearch.de
- digitalization of analog audio and video data sources
- audio and video compression for use in conferencing systems

Web Information:

www.trimedia.philips.com



Environmental Conditions

temperature:	operation storage	0°C to +60°C (32°F to 140°F) -10°C to +85°C (14°F to 185°F)
maximum humidity:	operation storage	10% to 90% (not condensing) 5% to 95% (not condensing)
Technical Features of the	TriMeleon DT1108	
size (length x width x height)		98 x 62 x 19 mm ³ (3.8 x 2.4 x 0.7 in ³)
power supply		12 V (±10%)
consumption		typ. 6 W
power supply for real time clock		3 V, 1μA
clock frequency (standard: 100 MHz)		100 MHz / 120 MHz
transfer rate (RS232 level)		max. 230 kbps
analog video inputs (PAL and NTSC)		4 CVBS / 2 SVHS
analog video outputs (PAL and NTSC)		1 CVBS / 1 SVHS
analog audio inputs /outputs (16 bit, up to 48kHz))		2 / 2
RAM (standard: 8 Mbyte)		8 /16 Mbyte
Flash memory: (standard: 4 Mbyte)		2/ 4 /8/16 Mbyte
Flash memory: read velocity		max. 1 Mbyte/s
Flash memory: write velocity		max. 500 Kbyte/s
Flash memory: guaranteed clear and rewrite series		min. 100.000
I/O extension bus: data bu	swidth / address buswidth / data throughput	t rate 8 bit / 10 bit / max. 2 Mbyte/s
versatile usable digital input	ts / outputs (3.3V CMOS logic-level)	2 / 2
real time clock (year 2000-c	compatible) time division	1 s
JTAG Debugging Interface		JTAG IEEE 1149.1
Technical Features of the	Evaluation Board	
1 11 /		DC stabilized on pin of the small voltage jack 3V; 5V; 12V and GND at the experiment area
size		120 mm x 160 mm (4.7 in x 6.3 in)
size without audio/video connectors		100 mm x 160 mm (3.9 in x 6.3 in)
video inputs		4x Cinch / 1x Mini-DIN
video outputs		1x Cinch / 1x Mini-DIN
audio input / output		each 1x 3.5 phone jack
experiment area		SMD-Pads; 100th grid
serial interface		RS 232
Software Libraries		NO 232
Board Support Package Sof	ftware	for Philips TriMedia SDE 2.1
		for Philips TriMedia SDE 2.1 : serial interface, watchdog and real time clock
TriMeleon Utility library	support of	serial interface, watchdog and real time clock
Board Support Package Sof TriMeleon Utility library test program with source co	support of	esserial interface, watchdog and real time clock self test of all interfaces
TriMeleon Utility library	support of	serial interface, watchdog and real time clock