

ACTIVY 300

Media Center for digital services



ACTIVY is designed to enable new TV centric services for the infotainment world. ACTIVY is a Media Center based on PC technology, designed and prepared to interact with virtually all kinds of information over broadband networks: Digital TV, video, audio, Internet and data. At the same time ACTIVY could be an excellent recorder for video and sound and also a player for new media like DVD and MP3.

ACTIVY comes as an open hardware platform for projects in the broadband market. To realize the above mentioned functionality, suitable software has to be used. Fujitsu Siemens Computers offers the ConnectTV™ middleware for IP streaming environments. For DVB broadcast environments, middleware solutions are available from our software partners.

- Consumer style cabinet
- Optional versatile broadband services access interfaces (xDSL, cable, satellite, terrestrial) as PCI cards
- PCI slots for any type of network interface (e.g. V90 modem, ISDN modem, cable modem, xDSL modem)
- Excellent graphics for high quality TV-out
- Optional Digital Video Broadcasting (DVB) controllers for digital TV and high-speed Internet
- Two Common Interface slots for Pay-TV in front bezel for Conditional Access Modules (optional)
- Fast Ethernet LAN controller on board for High Speed Internet Access and connectivity
- Optional SmartCard reader for security functions like banking or access control
- Different Infrared remote controls and optional infrared keyboard for comfortable, wireless usage
- Display (2 x 20 characters) and navigation buttons in front bezel (optional)
- Home entertainment with DVD drive (optional)
- Open platform to run a variety of operating systems and middlewares
- Different versions compliant with all European and international video standards
- Country-specific warranty

Technical Data - ACTIVY 300 - Media Center for digital services

Micro-ATX system board with

Microprocessor	Intel® Celeron™ 300 MHz or 733 MHz, Higher speed Intel Celeron or Pentium® III on request
Processor socket	FC PGA 370
Chipset	Intel 810
Main memory (MB)	max. 256
DIMM slot	1 SDRAM (PC100)
Flash EPROM	BIOS-Update via SW

Interfaces

1 x monitor (15-pin, VGA)
1 x micro (mono)
2 x RGA out (stereo)
1 x Universal Serial Bus (USB)
1 x S/PDIF out
1 x RJ-45 (LAN)
1 x SCART-in and 1x SCART-out (Europe version)
1 x SVHS video out (intl.)
1 x composite video
1 x RF modulator (optional)
1 x remote IR receiver in (optional)
1 x remote IR transmitter out (optional)

Graphics processor

	Graphics with TV-out, flicker reduction – Tvia 5005 series
Refresh rate	50 / 60 max. 75 Hz
Colors	TrueColor
MPEG 2	Onboard Sigma Designs HW Decoder

Audio

AC'97 based 16-bit stereo and S/PDIF (AC-3/MPEG2 audio) output

Hard disk controller

Fast IDE / Ultra DMA 66 2x busmaster capability for 2 drives
CompactFlash connector on board (optional)

Floppy disk drive

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Hard disk drive

	Ultra DMA 66
Formatted capacity (GB)	20.0 / 40.0 / 80.0
Access time (ms):	≤ 10
	Silent drive optional

Drive bays

1 x 5.25-inch (DVD)

DVD drive

16-speed (optional)

Slots

1 x PCI (3/4 length)
1 x PCI (short)

Without backpanel access

1 x internal, PCI compatible (optional)

LAN on board

10/100 Mbps Fast Ethernet

SmartCard reader (optional)

Standard	ISO7816
Compliance	PC/SC, HBCI Type 1

Conditional Access Modules (optional)

Common Interface slots	2
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Backchannel via internal

V90 analog modem	optional
ISDN adapter	optional
EuroDOCSIS 1.1 cable modem	optional

Electrical values

Rated voltage (V)	100 - 125 / 200 - 240
Frequency (Hz)	50 - 60
Max. power drain of power supply (W)	80
Typ. power draw of system unit in standard configuration (W)	< 30 (standby/EPA-compliant) < 5 (suspend mode)

Temperature / noise / dimensions / weight

Ambient temperature	15°C to 35°C (IEC 721)
Sound pressure level (ISO 9296)	
LpAm in dB	< 23 (idle mode) < 25 (operating mode)
Dimensions (H x W x D)	110 x 430 x 360 mm
Weight (kg)	approx. 8 (dep. on config.)

Compliance with standards

Product safety	IEC60950/EN60950/VDE0805, Nordic approvals, UL/CSA approvals
Electromagnetic compatibility	EN 55022/B, EN 50082-1
CE certification	FCC class B to EU Directives
EMC	89/336/EEC and
Product safety	73/23/EEC
Environmental compatibility	EPA-compliant

Operating systems / software

Windows 98	preinstalled, drivers only
Windows XP Embedded	planned (Q1/2002)
MHP	planned
ConnectTV IP streaming middleware	optional
Middleware for DVB based applications	available through partners

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