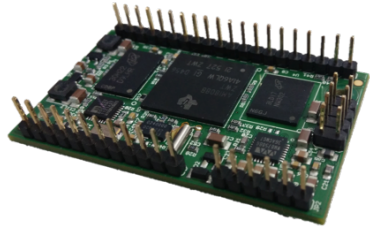


BARIX

IP AUDIO MODULE 390

Advanced Linux based multiformat audio module with network, USB serial interface and RTC, adding IP based streaming, scheduled playout and control capabilities to OEM products



The IP AUDIO MODULE (IPAM) 390 is a universal, standalone, Linux based IP Audio function block, which can be easily embedded into OEM products. Supporting a vast range of protocols, codecs and interfaces and providing on board memory and real time clock, the module can be used for both VoIP and IP paging as well as high quality music distribution and IP music streaming and store and play applications.

Applications IP Audio Module 390

- Internet radio receiver
- SIP and IP paging zone device
- Schedule player
- Generic VoIP decoder for IP paging and announcement applications
- Commercial audio streaming applications
 - Digital annunciator
 - Message player
 - Message repeater

Specification

- TI AM1808 ARM9 SOC
 - 10/100Mbit auto MDI-X Ethernet port
 - 128MB DDR2 memory
 - 128MB Flash memory
 - USB 2.0 interface
 - On-board uSD card socket (up to 32GB)
 - Built-in RTC with onboard backup battery
 - Supply voltage +3.3 VDC, 1.5 watt max.
 - 3.3 UART serial interface
 - General purpose I/Os (8)
 - Small form factor
-

Technical Specifications

Audio Interfaces and Formats

- Stereo line in and outputs
- I2S digital audio interface (output only)
- I2C interface (to control external codec)

Network Interface

- 10/100 Mbit auto MDI-X Ethernet port

Misc. Interfaces

- 3.3V level UART serial interface with HW flow control
- Multiple general purpose I/Os (8)
- USB 2.0 interface

Operating system

- Standard Linux OS with application specific extensions
- IP standard based protocols (TCP/IP, UDP, HTTP, ICMP, SNMP)
- Supports BootP, DHCP and auto IP

User / Application Interfaces

- Integrated web server for configuration, control, update and application functions
- Documented application programming interface (API)
- Customizable user interface (HTML) with development kit
- Special software features in OEM versions on request

Power requirements

- +3.3 VDC, 1.5 Watt max.

Weight, dimensions

- 16 g approx.
- 2.2" x 1.31" x 0.63", 56mm x 33mm x 16mm

MTBF

- Min. 800 000h acc to MIL217F at 40 °C

Environmental

Operating Environment

0 to +70°C / 32 to 158°F

0 - 70% relative humidity, non-condensing

Storage Conditions

0 to +70°C / 32 to 158°F

0 - 70% relative humidity, non-condensing

Certifications/compliant with

RoHS compliant

Ordering Information

2016.9184 IPAM 390 OEM package

sold in quantities of 10, 200 and 1000

For commercial related questions (distributors contacts, price list, business opportunities) please contact

sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.) please contact

support@barix.com

Barix AG – Ringstrasse 15A – CH-8600 Dubendorf – info@barix.com – www.barix.com
Phone: +41 43 43322 11



© Barix AG 2016, all rights reserved. All information is subject to change without notice.
All mentioned trademarks belong to their respective owners and are used for reference only. Product sheet V1.0
