Standard Features for SmartWORKS™ HPX

- Low/High Density VoIP Recording
- Automated Stop Recording
- Media Control - CODECS
- DTMF Tone Detection (RFC 2833)
- Programmable Jitter Buffer
- Full-duplex Recording
- Stop Recording Triggers
- File Offset (recording to file)
- Single Side recording

Since 1991, Ai-Logix has designed boards used in interactive and passive telephony applications. With global support for all types of telephone and radio systems - analog, digital, and enterprise PBXs, Ai-Logix products have set a new world standard in telephony communications. A single API, combined with event driven reporting simplifies application development by providing one standard for all types of networks.

SmartWORKS™ HPXMedia recorder, a host based recording solution, has been designed to work with the Ai-Logix IPX or HPX product.

The IPX/HPX monitors the line for signaling , plus forwards all RTP media to the recorder for processing.

Key Features and Benefits

VoIP Call Recording

Supports multiple CODECs commonly used on VoIP networks. Encoding support of both low/high bit rate formats with .WAV header support.

High Density Architect

The HPXMedia is designed to create a high density recording solution by offering recording capabilities up to 480 conversations per server. Communicates over TCP/IP allowing for a geographically separate installations of multiple servers (under development).

Automated Termination of Recording

The HPXMedia API provides programmatic control of termination conditions while recording. Provides maximum time and file size (bytes) conditions to control the automated termination of recording.

Automatic Summation

Complete support of full-duplex recording. Once recording is initiated the HPXMedia automatically sums the conversation without application management.
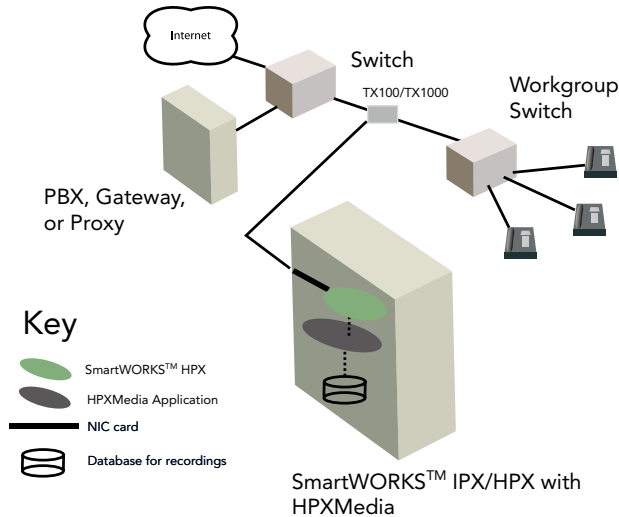
![Ai-Logix logo — An AudioCodes Company]

HPXMedia Application Model

Internet

Switch
TX100/TX1000

Workgroup
Switch

PBX, Gateway,
or Proxy

Key

SmartWORKS™ HPX

HPXMedia Application

NIC card

Database for recordings

SmartWORKS™ IPX/HPX with
HPXMedia

Hardware System Requirements

Dual Core 1.6 GHz CPU , 1 Gig RAM or better for 100 conversations

Operating Systems

Windows2000 Professional/Server, WindowsXP Professional (SP3), Windows2003 server (32-bit/64-bit),
Windows2008 server (32-bit/64-bit), Widnows7 (32-bit/64-bit), Windows8 server

Telephony Interfacing

IP Interface . . . . Designed to support RFC 3550
Jitter Buffer . . . . Programmable jitter buffer
RTP Port Management . . . . The HPXMedia supports any number management skema, no restrictions apply
CODECs . . . . RAW, WAV file formats
PCM, G.711, G.729A, G.723, GSM. Other LBR CODECs available,
contact Product Manager for details

Software

SDK . . . . SmartWORKS API · License Key Utility
DTMF Tone Detection . . . . DTMF digits: 0 - 9, *, #, A, B, C, D · Primary & Secondary stream - out-of-band
RFC 2833
Audio Digitizing . . . . Microsoft GSM & μ-law or A-law per G.711
Gain Control . . . . Programmable gain can be set per each input (upstream/downstream)
Recording Termination . . . . Automatic stop record upon maximum time and file size (bytes)

Models Available

SmartWORKS™ IPX
SmartWORKS™ HPX
SmartWORKS™ HPXmedia
TX100/TX1000

Server Configurations (IPX/HPX+HPXMedia)

1-300 Channel

• Windows2008 32bit

• Quad Core 2GHz

• 4Gb Memory

• 250Gb 7200 RPM C:\

• Dual Gb NIC (HPX)

• PCI/PCIe slots (IPX)

• 1 USB Port

* Contact us for more detail