

AudioPC 1000

AudioSoft

Record Replay React

Digital recording and playback of voice & data

AudioPC 1000 SPECIFICATIONS

MODES OF OPERATION

Standalone Recorder/Playback System
Standalone Playback

RECORDER SPECIFICATION

Recorder Format: Desktop or Industrial (4U)
Weight: With typical configuration of RAID discs, dual DVD-Ram drives = 23Kg
Maximum No of Recorder Channels, with GSM and audio bandwidth = 64
Maximum No of Recorder Channels at 40 KHz = 8
Maximum No of Replay Channels at audio bandwidth = 8
Operating System: Windows NT, 2000
CPU: Minimum Pentium 4, 2.4 GHz
RAM: Minimum 1024 MB
Hard disk size: Minimum 120 GB
Hard disks supported: RAID 1 to RAID 10.
On Line Voice Storage: Minimum 7500 hours with GSM
Triggers: Digital trigger, VOX or pre-programmed
Compression: G726 - 16, 24, 32, 40 Kbps, PCM, GSM
Audio Output: Built in Speaker with stereo output jack for headphones and line output
Maximum Power Required: 120 Watts.
Frequency response 20 - 40 KHz (+/- 3dB, 1 KHz, no compression)
ADC/DAC RESOLUTION - 24 Bit
AGC - ATTACK TIME - 16, 32, 48 msecs, Decay Time - 1 sec to 17 mins
POWER SUPPLIES: 220-240 VAC standard; optional 110v-120V a.c.; optional redundant power supply
Dimensions in mm 440(Width) x 180(Height) x 450(Depth) or 500(Depth with handles)

ARCHIVE

Maximum number of recorder files = 1,000,000 or 10,000,000 with SQL server
Archive media: DVD (9.4 GB), CDRW, MO and DVD Jukebox.
No of Archive media supported - 6
Configuration: Parallel (archiving same data to different disks) or serial (archiving to each disk in a sequential operation).
Voice Storage per DVD: Typical 1250 hours with GSM
DVD drive search time - typical - 1 sec
DVD drive search time - max - 5 sec
DVD Jukebox (on line storage): 145,000 hours, 290,000 hours or 880,000 hours
DVD Jukebox search time - typical - 0.5 sec
DVD Jukebox search time - max - 2 sec
Network Area Storage(NAS) and Storage Area Network (SAN) support: Refer to SmartArchiver

PLAYBACK PC SPECIFICATION

Playback from either the recorder or a separate multi media PC.
Operating Systems: Windows 95, 98, NT and 2000
Data Cards: Sound Blaster compatible
Features: Bookmarks, Jump to Time, Jump forward, Jump Back, Synchronised playback of up to 8 channels, Loop mode
Synchronisation accuracy: (8 channels) 100ms.
Playback search time from hard disc 2 seconds for 500,000 files from AudioPC recorders
Tests were performed on a standard AudioPC recorder
No of Bookmarks: 20 (per file)
No of Characters per Bookmark: 511
Loop increments: 1-300 sec, incrementing {1,2,3,4,5,6,7,8,9, 10,15,20,30,60,120,180,240,300}
Playback Speed: Variable from 0.75x to 2.0x without pitch correction

NETWORKS

MAXIMUM NO OF SIMULTANEOUS NETWORK PLAYBACK USERS: 5 with standard system. For more than 5 users a SQL Server licence is required.
Communication Protocol: TCP/IP

OPTIONAL FUNCTIONALITY

Management and Security: Refer to SmartAdministrator
Monitoring and Alarming: Refer to SmartMonitor and SmartAlarm
External Time Synchronisation: Refer to SmartClock
Label Printing: Refer to SmartLabeller

Transcription: Refer to AudioWord
API/Active X Connectivity: Refer to SmartAPI
Communication: See SmartSerialSynch
Centralised archiving: Refer to SmartArchiver
Copying of archive media: Refer to SmartCopy

OPTIONAL DATA INTERFACE UNIT (DIU-1005)

Conditions, buffers and splits (for redundant operations) the inputs signals
Size: 2U. Depth 250 mm excluding connectors
Power supplies: 220-240 VAC standard; 110v-120V a.c. factory order option.
Optional redundant power supply.
Maximum power required: 40Watts
Inputs: Telephony, analogue interface. Analogue differential with optional signal common.
No of inputs per module - 32
No of outputs per module - 2x32 output channels per module
Outputs: Single ended, designed to drive into 10K ohms
Output connectors - 1 off 25 pin female socket D type
Isolation between circuits - 60 volts
Isolation (main) - 1000 volts
Input impedance - 600 ohms or >10Kohm. Jumper selectable
Input connectors - 4 off 25 pin male socket D types
Output connectors - 1 off 25 pin female socket D type
Crosstalk - > 46 dB
Gain - 1.0 nominal \pm 5%
Distortion - <1%
Signal to noise - > 46 dB referenced to 0 dB with 64 kbps sampling
Approvals - CE mark, Low voltage directive 72/23/EEC, EMC - 89/336/EEC, 92/31/EEC, 98/13/EC as appropriate
Max Input - 60 V d.c. common mode, 5V a.c. r.m.s
Dynamic range - 54dB to 10dB (r.m.s) without distortion (limited to approx +15 dBm peak at a reference impedance of 600 ohms)
Isolation between power supply and recording channels: 3.75 KV r.m.s
Weight: 3.5kg

OPTIONAL TELEPHONY INTERFACE UNIT (DIU-1006)

Used to record from extension side of all leading manufacturers; Aspect, Bosch, BT, C&W, Ericsson, INTER-TEL, Lucent-Avaya-SDX, Mirel, Nortel, Rockwell, Samsung, Siemens, Toshiba, Nitsuko, Philips, Telrad, LG, Ascom etc.
Please enquire regarding other interfaces.

OPTIONAL E1 TELEPHONY INTERFACE UNIT (DIU-1007)

Provides an external interface for the conversion of 30 channels slots in E1 or PCM30 data to 30 channels of analogue data. No signalling information is provided with this solution.

OPTIONAL B.T Mega link/PCM32 TELEPHONY INTERFACE UNIT (DIU-1009)

Provides an external interface for the conversion of 32 channel slots in B.T. Megalink or PCM32 data to 32 channels of analogue data. No signalling information is provided with this solution.

OPTIONAL 4 Wire TELEPHONY INTERFACE(DIU-1009)

Provides 4 wire to 2 wire interface.

TRAINING

All the following are available as e-learning modules from AudioSoft's web site or as standalone CD's.
Operating Training: How to record, replay and administer AudioPC
Maintainer Training: How to maintain AudioPC systems
Operator Assessment: Test your competency as an AudioPC user
Maintainer Assessment: Test your competency as an AudioPC maintainer

ENVIRONMENTAL CONDITIONS

Operating Temperatures: 5-40 Deg C
Storage Temperature: -10 to 60 Deg C
Humidity: 85% RH (non condensing) at 40 Deg C
For MIL qualified variants please contact AudioSoft.

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