

SMARTTAP[®] NGX Series

Features

Supports 25+ PBX Vendors

Firmware Upgradeable

Wide Spectrum of Trigger Events

- Vox
- Raw D-Channel
- Advanced Call-Control

Summation allows monitoring of up to 24 channels in real-time thru an audio jack

On-board DSP providing Tone Detection & Voice Processing of up to 24 full-duplex channels

Passive Connection for non-intrusive monitoring and live monitoring

Caller ID / FSK /DTMF/MF

Full-Time/On-Demand Recording/Event Driven record

Uses SmartWORKS API (Common to all SmartWORKS products)

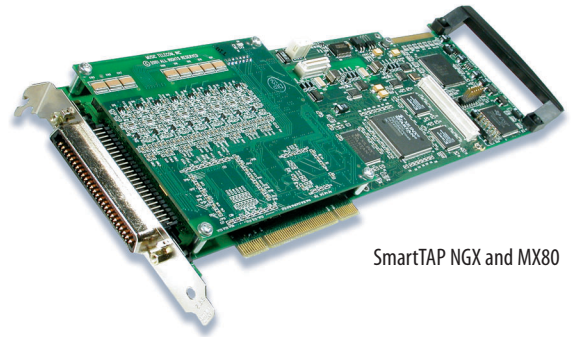
Expansive Speech CODEC support (20+)

Automatic Gain and Volume Control (AGC/AVC)

Advanced Streaming to prevent data loss regardless of system resource demand

Available for Windows NT 4.0, Windows 2000, Windows XP, Linux

Single Card Solution to Passively Record Proprietary PBX Extensions



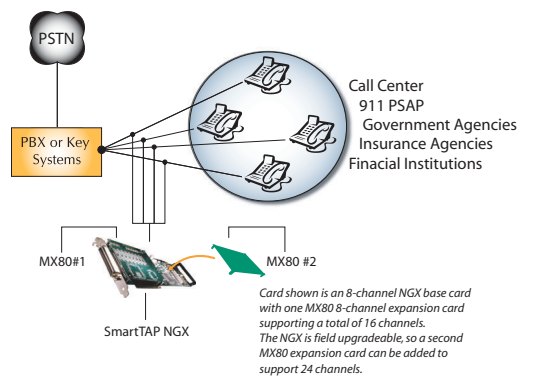
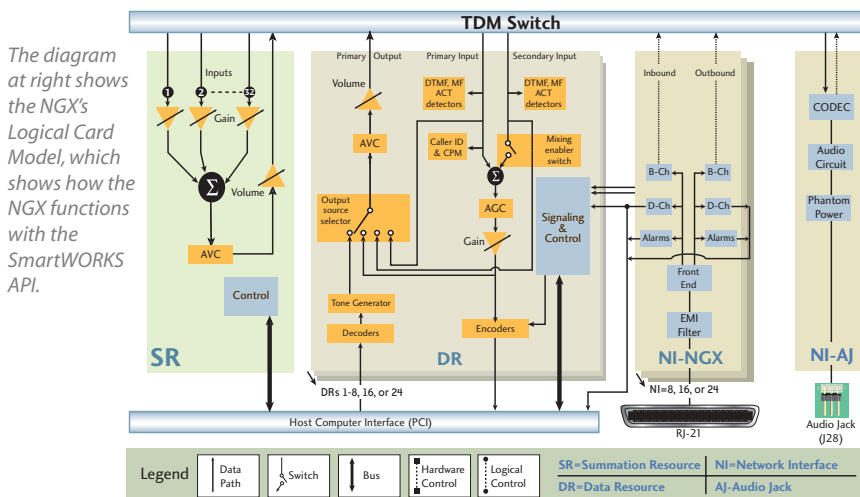
SmartTAP NGX and MX80

Overview

The SmartTAP NGX was designed to let OEMs and developers expand their call recording capabilities with multiple new features while providing a PCI replacement for our DAC card. The NGX is the next step in PABX station side recording. Available as an eight channel base card, the SmartTAP NGX is field upgradeable to twenty-four channels per card providing a cost-effective solution for all system sizes.

The SmartTAP NGX fits right in to call centers where information management is key. With the NGX, call recorders can now track agents that sitting at multiple locations throughout a call center.

When an agent logs into a call center, the SmartTAP NGX decodes the Agent ID and passes the information back to the call recording application. Every feature key pressed, call taken, and telephone action the agent performs is automatically decoded and passed to the call recording application. These features provide any call recording application with a competitive advantage not found in other systems.



NGX cards are connected between a PABX station port and the proprietary digital station bridging passively between the two.

Product	Part Number	Available
NGX800 8-channel base card:	910-0314-001	Beta 9/15/02 · Release 11/15/02
MX80 8-channel expansion module:	910-0315-001	Beta 9/15/02 · Release 11/15/02

Product Specifications

HARDWARE SYSTEM REQUIREMENTS

Pentium II or equivalent 400 MHz or better
 ATX PCI motherboard or passive backplane with 3.3V ATX power supply
 PCI 2.2 bus

OPERATING SYSTEMS

Windows NT® 4.0 · Windows 2000 · Windows XP · Linux*

TECHNICAL SPECIFICATIONS

Max boards per system: 16
 Max ports per system: 256
 Resource Sharing Bus: MVIP or H.100
 Boards Status: On-board LEDs
 Clocking: Master/Slave

ENVIRONMENTAL CONDITIONS

Operating Temperature: 0C to +60C
 Storage Temperature: -20C to +85C
 Humidity: 8% to 80% non-condensing
 Storage humidity: 8% to 80% non-condensing

PHYSICAL CHARACTERISTICS

Form Factor: Full-size PCI card

HOST INTERFACE

Bus Compatibility: Complies with PCISIG Bus Specifications, Rev. 2.2
 Bus Speed: 33 MHz
 Bus Mode: 32 bit bus master/target

ANALOG JACK

Audio Connector: 3-pin to 3.5mm female
 Output impedance: 300Ω
 Input impedance: 33KΩ
 Return loss: >25dB
 Mic bias: +5VDC @ 4.7KΩ
 Input gain: +9dB
 Output gain: 2.73dBm @ 300Ω
 Full scale input: 750 mVRMS
 Full scale output: 1.5 mVRMS open circuit

TAP INTERFACE

Insertion loss: <1 dB
 Isolation: Galvanic 500VDC +/-10%, 100VRMS 1 sec
 Impedance: Soft-Switchable 1KΩ/100Ω
 External connector: RJ-21X 25 Pair female

SDK

Ai-Logix Native SmartWORKS API
 SmartControl (Control Panel)
 SmartVIEW (Card functionality test application)
 SmartWF (Firmware upgrade Utility)

POWER REQUIREMENTS

+3.3 VDC: 3.5A
 -12 VDC: 0.22A
 +12 VDC: 0.22A

PBX INTERFACE

PBX Support: Software Configurable

AUDIO SIGNAL

Receive range: -68 dBm to +3 dBm
 Input gain control: +24 to -64 dB
 Silence Detection: Programmable from API
 Transmit volume control: +24 to -64 dB to MVIP/H.100
 Automatic Gain Control (AGC): Programmable from API
 Automatic Volume Control (AVC): Programmable from API
 Activity Detection: Programmable from API
 Frequency Response: 300 - 3400 Hz (+/- 3dB)

AUDIO DIGITIZING (ENCODING & DECODING)

13 Kb/s: GSM 6.10, Microsoft GSM
 16 Kb/s: G.726
 24 Kb/s: G.726, OKI
 32 Kb/s: G.726, OKI
 40 Kb/s: G.726
 64 Kb/s: μ-law or A-law per G.711, 8 bit linear PCM
 128 Kb/s: 16 bit linear PCM
 Wave file formats: Microsoft GSM, 16-bit PCM
 Digitization selection: Programmable per channel, independent for encode and decode

DTMF TONE DETECTION

DTMF digits: 0 - 9, *, #, A, B, C, D
 Dynamic range: -38 dBm to 0 dBm
 Minimum tone detection: 40 ms
 Interdigit timing: 40 ms min.
 Acceptable twist: Per LSSGR sec. 6, 8 dB forward, 4 dB reverse
 Frequency variation: Accept all +/- 1.5%, reject all +/- 2.5%
 Noise tolerance: Per LSSGR sec. 6
 Talk off: Bellcore TR-TSY-000762

SAFETY AND CERTIFICATIONS

Telecom: DOC
 Emissions: FCC Part 15 class A · EN 55022
 Immunity: EN 55024
 Safety: EN 60950
 Estimated MTBF: 250,000 hours per Bellcore Method I

WARRANTY:

3 years standard

D CHANNEL EVENTS:

LIGHT_ON · LIGHT_OFF · LIGHT_FASTFLASHING · LIGHT_FLASHING · OFFHOOK · ONHOOK · DIGIT · MESSAGE_CHANGE · FUNCTION_BUTTON · HOLD_BUTTON · RELEASE_BUTTON · TRANSFER_BUTTON · ANSWER_BUTTON · SPEAKER_BUTTON · REDIAL_BUTTON · CONF_BUTTON · RECALL_BUTTON · FEATURE_BUTTON · UP_DOWN · EXIT_BUTTON · HELP_BUTTON · SOFT_BUTTON · LINE_BUTTON · RINGS · MENU_BUTTON · PREVIOUS_BUTTON · NEXT_BUTTON · LIGHT_QUICKFLASH

*Call For availability



Ai-Logix, Inc.

A member of the Ai-Technology Group

Ai-Logix, Inc. · www.ai-logix.com · Corporate Park III, 580 Howard Ave · Somerset, NJ · 08873 · T: 732-469-0880 · F: 732-469-2298

Charlotte, N.C.
 Tel (704) 365-1100

Dallas, TX.
 Tel (972) 818-8990

Washington, DC
 Tel (301) 622-5330

Europe
 Dorpsstraat 77
 2445 AL Aarlanderveen,
 The Netherlands
 Tel 31+172-425133

China
 Beijing, PRC
 Tel 86+10+82512288
 or
 86+10+82512299