

ST2001

Internet Information Appliance • Reference Design

Quick time to market

The ST2001 reference platform allows you to implement a high-function information appliance solution with a quick time-to-market. Its full-featured design provides an exciting interactive Internet and TV experience. It features a National Semiconductor® Geode™ GX processor and Liberate TV Navigator™ software.

Full featured with endless applications

Numerous configuration options are available, enabling the creation of advanced home consumer or business solutions such as video on demand. It includes convenient wireless (IR) operation from either a keyboard or a remote control, and displays on any television set or VGA monitor.

Featuring Liberate TV Navigator for ISP

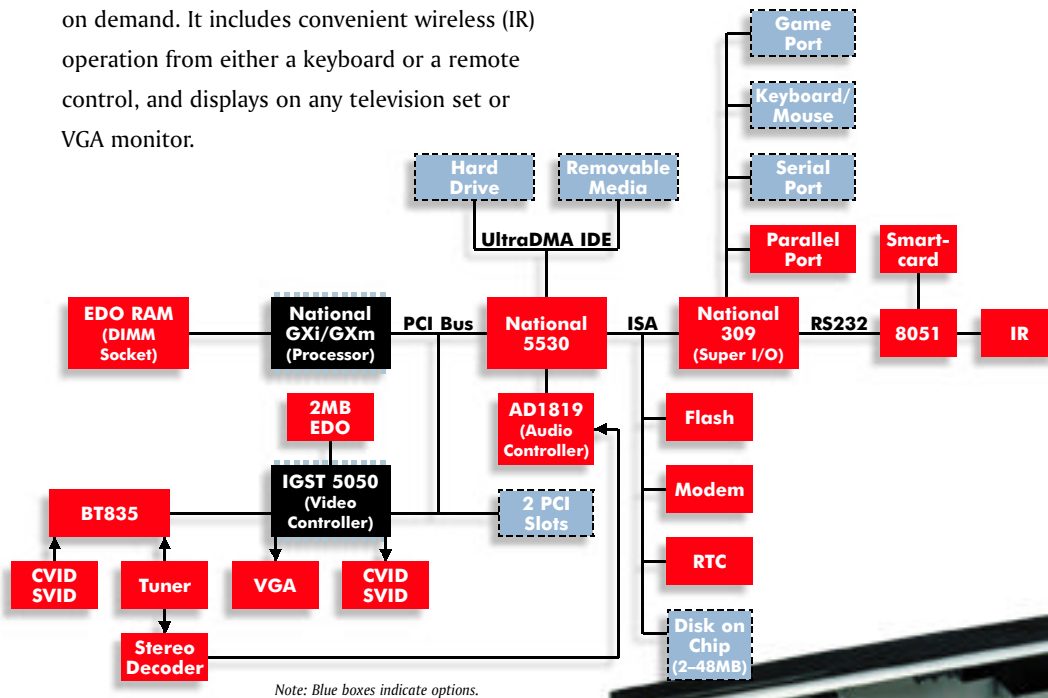
Liberate TV Navigator software platform provides an integrated Internet and TV experience. Designed for TV viewing, the combination of traditional Internet functionality such as Web browsing and e-mail, along with television programming, provides an interactive environment that creates an enhanced TV experience. Liberate TV Navigator operating system is stored in the flash ROM and is field upgradable.



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Key Features:

- 181-channel, cable-ready tuner
- IGST CyberPro™ 5050 multimedia video accelerator
- Smartcard reader
- 56 Kbps (ITU V.90) modem
- Web browser
- E-mail
- Numerous hardware and software options



Note: Blue boxes indicate options.

Selected by AOL and Philips for AOL TVSM



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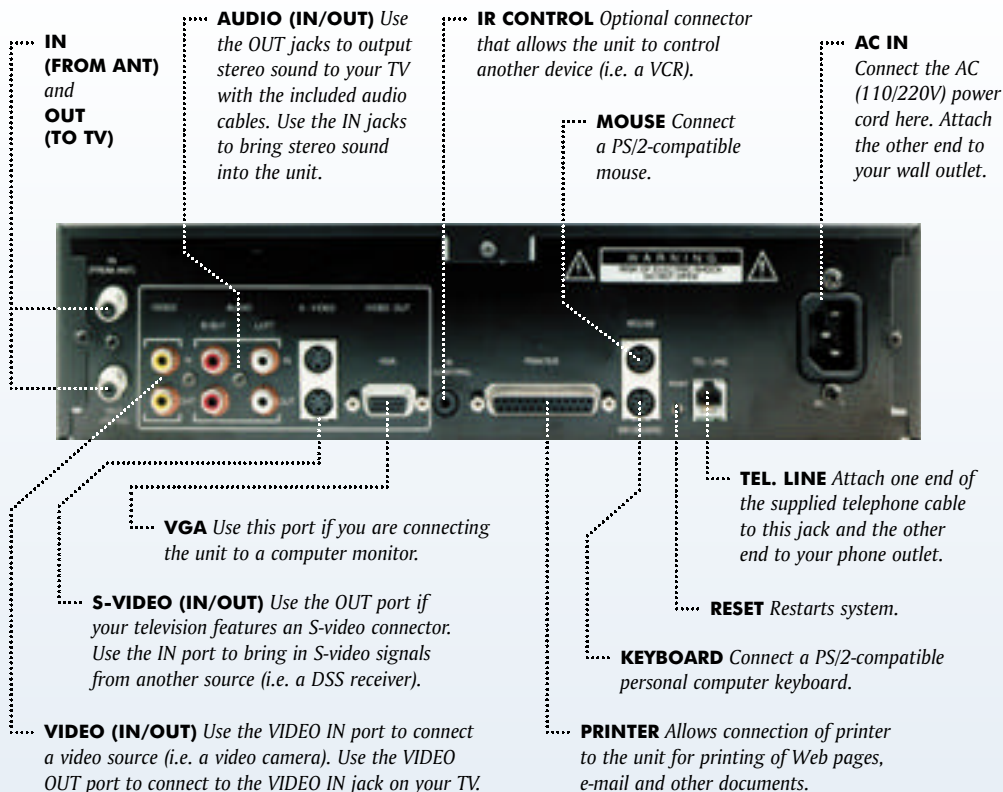
Features

- National Semiconductor® Geode™ GX processor—166 to 266 MHz
- 2MB flash ROM expandable to 8MB
- 8MB DRAM expandable to 128MB
- 56 Kbps (ITU V.90) modem
- Parallel port
- 110/220V AC power supply
- 181-channel, cable-ready tuner
- RF modulator output with cable pass through
- IGBT CyberPro™ 5050 multimedia video accelerator
 - Simultaneous graphics video display
 - Alpha blending
- Smartcard reader
- Liberate TV Navigator™
 - Enhanced TV
 - Internet access software platform
 - Browsing and e-mailing
 - Electronic programming guide
 - Audio and video entertainment

Options

- Hard disk
- Removable media
- DVD/CD-ROM drive
- 2 PCI slots
- MPEG-2 decoding
- Dolby® Digital audio streaming (AC-3)
- Ethernet
- DSL modem
- Cable modem

Rear Connections



Components

- ST2001 system unit
- IR keyboard (with batteries)
- IR remote control (with batteries)
- Cables:
 - Power cord (70")
 - S-video cable (6')
 - Phone cable (25')
 - A/V cable (6')

Dimensions

- Width:** 12" (30.48 cm)
- Length:** 12" (30.48 cm)
- Height:** 3" (7.62 cm)
- Weight:** 8 lb.

Software Specifications

- Building Blocks:** HTML 3.2, Javascript 1.1, LiveConnect
- Network Transport:** HTTP 1.1, TCP/IP, PPP 2.1.2, DHCP, BootP, static IP
- Security:** Secure sockets layer 2.0, 3.0
- Graphics:** GIF, JPEG, PNG, WNG
- Sound:** RealAudio® G-2 with MP3, Dolby Digital AC-3, MIDI, AU, WAV, AIFF, RMF
- IQ View:** Image blitting, image scaling, image decompression, antialiasing, flicker reduction, color correction
- Video:** QuickTime® 2.5, MPEG-1 systems, MPEG-2 program and transport, optional Oracle® Video Client with RTSP
- Animation:** PopTV, animated GIF
- Enhanced TV:** Javascript extensions for TV, TV HTML extensions for TV, EIA-746 (broadcast URL), EIA-708 (closed caption)
- TV Standard:** NTSC 4:3, PAL B/G
- E-mail Protocols:** IMAP4, SMTP, POP3
- Peripheral Support:** HP® and Canon® printing, IR and wired keyboard, IR remote, smartcard