



netbox

series 7600



**The excellence of
High Definition terminals for
the best of both IP and DVB worlds**

PRESENTATION

The netbox® series 7600 belongs to the netbox® family of hybrid IPTV terminals.

Like all Netgem's terminals, the netbox® offers the following benefits :

- Limitless options through various **hardware and software customisation**,
- Guaranty of a very high degree of **interoperability and stability**, using low-cost standardized hardware and **open software technologies**,
- Client support for numerous entertainment and communication **branded services**, combined with a **high quality digital TV receiver**,
- Low-cost, fast and efficient development of new services,
- A full control over deployed technologies with **low response time** on resolving problems,
- The ideal platform for both **customer retention and revenue generation**.



NOMINAL SPECIFICATIONS

CORE HARDWARE

Processor :	Sigma Designs SMP863x - 300MHz MIPS + 200MHz secure CPU - Multi decoding
Graphics :	True colour and alpha blending, flicker filtering, font anti-aliasing, PiP/PiG/GiP
Memory :	16MB Flash, 128MB or 256MB RAM
Hard drive :	Embedded low-noise 2"5, variable capacities

CORE SOFTWARE

OS :	Linux
Middleware :	Netgem DVB/HTML - MHEG5 - Flash (e/o 2006)
Browser :	Netgem TV Browser : HTML 4.01, ECMAScript ECMA262 3 rd edition (JavaScript 1.5), CSS1&2, DOM1, DOM2 Events
Protocols :	IGMPv2, HTTP1.0/1.1, SSL, RTSP, UPnP, SNMP, FTP, DHCP, PPPoE, POP3, SMTP, IRC, Peer-2-Peer

BROADBAND

Ethernet :	10/100 Mbps MDI/MDIX RJ45 for wired, Power Line or Ethernet/Wifi connections
Wifi :	Support for USB/Wifi 802.11b/g adaptors
USB :	Host device USB2.0 low/full/high speed for external HDD, webcam...

VIDEO & AUDIO

Video :	<ul style="list-style-type: none"> · H.264 BP@L3, MP@L4.1, HP@4.1 · WMV9/VC-1 MP@HL and VC-1 AP@L3 · MPEG-4 part2 ASP@L5 · MPEG-2 MP@HL, MPEG-1
Resolution :	Up to 1080p with up and down scaling
Multi-decoding :	Up to 2xHD or 6xSD or 16xCIF streams
Audio :	<ul style="list-style-type: none"> · MPEG-2/4 AAC LC and HE · MPEG-4 BSAC · MPEG-1/2 layer I, II and III · WMA9/pro · Dolby Digital 5.1, Plus 7.1, Lossless 7.1 · DTS, DTS-HD · Stereo down mixing

SECURITY

Content :	<ul style="list-style-type: none"> · Embedded Mediaguard, support for Nagra IP · Microsoft DRM10 (Cardea and Janus) · HDCP content protection on HDMI · Macrovision content protection on SCART · Other systems available on request
Management :	<ul style="list-style-type: none"> · Secure terminal, channels line-up and services management on network side · Secure download service (network, USB, OTA)

INTERFACES



Digital TV :	<ul style="list-style-type: none"> · 1 DVB-T tuner input (RFin) · 1 tuner output (RfOut) with loopthrough
SCART :	<ul style="list-style-type: none"> · 1 SCART TV (RGB, S-Video, Composite and YPbPr with HD output) · 1 SCART AUX (Composite)
Digital video :	HDMI ™ connector HDCP compatible

Broadband :	1 RJ45 connector
USB :	1 USB2.0 host connector
Smart card :	1 ISO7816 smart card reader
Audio :	<ul style="list-style-type: none"> · 1 S/PDIF optical connector · 1 mini-jack stereo connector with Composite or S/PDIF RCA
Power supply :	Embedded with rear power switch

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