

AvediaPlayer r9200



The AvediaPlayer r9200 connects an HD TV to your existing IP network to receive digital TV channels and other video sources. It features a single Ethernet port and an HDMI® output in a compact form factor with the lowest power consumption of all Exterity's HD receivers.

- Receives and decodes IPTV streams
- Built-in user interface or third party middleware
- Displays up to 1080p resolution for excellent image quality
- FTP Server allows media provider to upload files to the device
- Power over Ethernet (PoE) simplifies installation and saves on the cost of cabling and power points
- Steel enclosure makes this receiver solid and robust
- Receiver Development Kit (RDK) is available for customisations and tailored applications



AvediaPlayer r9200 Receiver

Technical Specifications

Video Output

HDMI* (with HDCP): 1080p, 1080i, 720p (50Hz/60Hz), 576p (50Hz), 480p (60Hz)

Audio Output

HDMI: 2 Channel PCM or Bitstream
TOS: 2 Channel PCM or Bitstream

Video Decoding

MPEG 4 part 10 H.264 (ISO/IEC 14496-2)
MPEG 4 part 2 (ISO/IEC 14496-2)
MPEG 2 (ISO/IEC 13818-2)
Resolutions: up to SD, 720p & 1080i @ 50Hz, 59.94Hz or 60Hz
1080p @ 24Hz

Audio Decoding

MPEG-1 Layer II (ISO/IEC 11172-3)
AC3/EAC3
AAC/HE-AAC
Downmix multi channel audio to stereo

Streaming

MPEG 2 Transport Stream (ISO/IEC 13818-1)
RTP
UDP
IP multicast
IP unicast
IGMPv2/v3
Video On-Demand: RTSP, HTTP

Channel Management

Automatic channel discovery from all Exterity head end equipment
SAP/SDP announcement
Channel access control e.g. Parental control
XML channel lists
Static Channels
Hidden Channels
Playlists
Channel redundancy
Channel failover to playlist, channel or web page

USB Port

Can be used for third party applications, external storage, keyboard, mouse or touch screen*
USB Hotplug enables USB devices to be auto-mounted

Infra-red/Control Options

Built in IR receiver
3.5mm jack for IR extender or tethered remote control
IR Keyboard and 3rd party remote controls supported
TV control via Serial RS232 or HDMI CEC

Built in user interface

Channel selection menu
Volume control
Audio Language control
DVB Subtitles, Closed Captions
Teletext
Internationalisation support

Resolution



*Please contact Exterity for information on features supported

Integrated Web Browser

ANT® Galio for integration with Exterity and third party middleware
 HTML 4.01, XHTML 1.0, HTTP 1.1, CSS 2.1, CSS 3 partial support
 Remote Event Support (HTML 5), JavaScript 1.5, DOM Level 2, XML, AJAX
 Unicode and International language (Western, Greek, Russian and Arabic)
 JavaScript API for control of device configuration and media playback
 Image formats: png, jpeg, gif and bmp

Management

Fully integrated with all Exterity management tools
 Network administration via HTTP web interface, SNMP & Telnet
 Serial RS232 Admin Port
 Telnet Control Interface (TCI)
 Event logging via Syslog (local and remote)
 Firmware upgrade via TFTP & Multicast TFTP
 Configuration backup/restore via TFTP

System

CPU: ST40-300 450MHz
 RAM: 256MB
 Flash: 32MB (for firmware and configuration)
 OS: Linux 2.6.xx

Network

Linux IPv4 stack
 DHCP or Static IP addressing
 IEEE 802.3u 10/100Mbps MDIX Ethernet
 IEEE 802.3af PD

Protocols

IP (RFC791), UDP (RFC768), TCP (RFC793), ARP (RFC826), DNS (RFC1035), DHCP (RFC2131), ICMP (RFC0792), IGMP v3 (RFC 3376), TFTP (RFC1350), Multicast TFTP (RFC2090), HTTP (RFC2616), Telnet (RFC854), Syslog (RFC3164), NTP (RFC1305), SAP (RFC2974), SDP (RFC4566), RTP (RFC3550), RTSP (RFC2362), SNMPv1/v2c (RFC1157/RFC1901)

Power

DC Jack (24V): 6W Typical, 9W Maximum
 POE IEEE 802.3af PD (48V): 6W Typical, 9W Maximum

Physical Dimensions

W:140mm x D:95mm x H:35mm
 Weight: 0.4 kg

Environment

Operating temperature: 0 ...+40°C / +32 ... +122°F
 Storage temperature: -20 ...+70°C / -4 ... +158°F
 Operating Relative Humidity: 5 – 95% (non-condensing)

Regulatory

CE, UL, CSA, FCC compliant
 EMC:
 EN55022: 2006, 47CFR: 2008 Part 15, Sub Part B (FCC)
 EN55024: 1998 +A1:2001, A2:2003
 EN55013: 2001 + A1,A2

Safety:

IEC 60950-1:2005 (Ed 2.0)
 EN 60950-1:2006
 CAN/CSA C22.2 No. 60950-1-07
 UL 60950-1, 2nd Edition

Options

Wall or under desk mount bracket
 VESA mount bracket
 Tethered remote control
 Infrared remote control
 Infrared receiver extender
 Power Supply: UK, EU, USA, AUS, SA (Other countries available)

AvediaPlayer Variants

r9200 - HDMI Only
 r9210 - HDMI and analogue AV
 r9220 - HDMI and 4-Port Switch

Receiver Development Kit (RDK)

The Receiver Development Kit (RDK) enables Exterity partners to integrate their own solutions with third-party applications and back-end components, such as middleware.

Third-party applications can control the Exterity receiver using any or a combination of the following:

- Telnet Control Interface (TCI)
- Simple Network Management Protocol (SNMP) interface
- JavaScript API
- Native application support (DirectFB based development environment)

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