Product Sheet | DMS7000NBS

Advanced satellite media server solution providing a platform for the delivery of content in the connected home

The Pace DMS7000NBS is an advanced high definition media server solution for BeIN customers in the Middle East and North Africa. It is designed to provide a platform for the delivery of content in the connected home across a diverse range of media devices.

A next generation product for the future-proof home, the DMS7000NBS delivers high performance with both wireless connectivity and 3D graphics capability.

The product features advanced dual full-band capture and SatCR to reduce cabling requirements to support its multi-tuner architecture. This 4-tuner device allows future expansion to 8 tuners and the support for picture-in-picture and the delivery of content to multiple screens, including smart phones and tablets.

The DMS7000NBS is a powerful media server platform boasting a 3000+ DMIPS CPU, 2GB of system memory and a 1TB hard disk drive for media storage. It also complies with the latest EU regulations regarding power consumption.

A variety of connectivity options are available including IEEE 802.11n/ IEEE 802.11ac dual-band Wi-Fi, USB and Ethernet.

The DMS7000NBS features an exclusive product design which delivers a perfect combination of style and manufacturing quality.

The Pace DMS7000NBS media server provides a simple, slick and convenient way to explore and view content, to receive personalised recommendations and to share video with other devices. It is designed specifically around the needs of operators and end users and allows the seamless distribution of payTV services and on-demand content to connected devices such as other set-top boxes, tablets, smartphones, games consoles and connected TVs.

Summary

- Advanced high definition media server solution

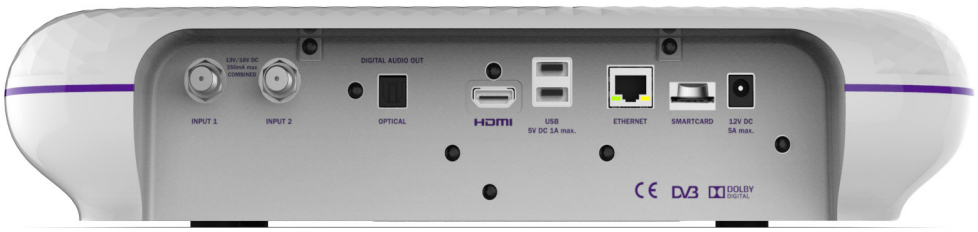
Software

- **Application**
  Cisco/NDS Evolution 12
- **Middleware**
  Cisco/NDS Evolution 12
- **Boot Loader**
  - Secure bootloader implemented by Cisco/NDS
  - Supporting Broadcast downloads via DVB-S/S2
- **Drivers**
  Pace / Linux OS

CA and Copy Protection

- **Conditional Access**
  Cisco Videoguard
- **Common Interface**
  No
- **Smart Card**
  SIM sized form factor, ISO 7816 compliant
- **HDCP**
  HDCP 1.2

DMS7000NBS
Technical Specifications



CPU

System On a Chip	BCM7424
CPU	BMIPS 5000 core (3000+DMIPS)
Instruction Cache	32 Kbytes
Data Cache	32 Kbytes
Secondary Cache	256 Kbytes
Floating Point Unit	Present
MMU	Present - capable of supporting Linux/POSIX

Memory and Storage

RAM	2GB DDR3 rated 1866 MHz
Flash Memory	4GB eMMC, 4MB NOR
NVRAM	64KB Emulated in flash
Hard Disk Drive	Internal SATA disk - 1TB, 3.5-inch

Front End

Input	2 x IEC 60169-24 Female Inputs with full band capture and SatCR support
Tuning Range	DVB-S/S2: 950MHz to 2150MHz
Tuner / Demodulators	Dual full-band capture satellite tuners with 8 DVB-S/S2 demod paths. Compliant to ETS 300 421
Symbol Rate	DVB-S 10 to 45 MSps DVB-S2 18 to 30 MSps
Reported Signal Level	-25dBm to -65dBm
LNB Polarisation	13/18V Control
LNB Supply	350mA continuous load per connector with short circuit protection
LNB Tone Control	22KHz for high/low band selection
DiSEqC	DiSEqC 1.1; SatCR

Video Decoder

Decoder	Dual HD video decoder
Aspect Ratio	4:3 and 16:9
MPEG-4 Profiles	MPEG-4 Part 10 MP@L3 720x576 at 50 and 25Hz MPEG-4 Part 10 MP@L3.2 1280x720p at 60, 50 or 30Hz MPEG-4 Part 10 MP@L4.1 1920x1080i at 60 or 50Hz MPEG-4 Part 10 MP@L4.2 1920x1080p at 60 or 50Hz
MPEG-4 Amendments	MVC, SVC
MPEG-2 Profiles	MPEG-2 MP@HL MPEG-2 MP@ML
Max Bit Rate	15Mb/s for Standard Definition 30Mb/s for High Definition

Audio Decoder

Decoder	One audio decoder
MPEG-1 Audio	Audio Layer I & II
MPEG-4 Audio	MPEG-4 AAC HE L2, AAC HE L4, AAC5.1
Dolby Digital (AC-3)	Dolby Digital Plus output over HDMI & Dolby Digital on SPDIF Dolby Digital Plus down mix to stereo

Audio Video Output

Analogue AV Outputs	None
Digital Video	HDMI 1.4b
Digital Audio	Optical (TOSLINK)

Peripheral Interface

USB	2 x USB 2.0 Type A, 500mA on rear panel
Ethernet	RJ45 10/100M Base-T on rear panel
Wireless	Dual band non-concurrent station/client operating in either 3X3 MIMO (3T:3R) 2.4GHz or 3X3 MIMO (3T:3R) 5GHz mode WLAN standards supported 2.4GHz: 802.11 b, g and n WLAN standards supported 5GHz: 802.11 a, n and ac

Front Panel Specification

Remote Control	1 x IR receiver
IR Frequency & Protocol	36 KHz, Philips RC5
Buttons	1 Button - Standby
LEDs	3 LEDs, 1 bi-colour (red/green) - standby/on, 1 red - recording, 1 red - command
Display	7-segment display white

Power Supply

External inline PSU, 100-240V AC Input, 12V DC Output

60W desktop design with figure-of-eight mains lead input

Power Saving Features

IBCM744	Integrated Power Management
Power Supply	Energy Efficient Power Supply - EuP and CoC compliant

Accessories

User Manual	18-page start-up user guide
Mains Cable and PSU	60W desktop PSU with 2-pin EU-style power cord and 3-pin UK style power cord
Remote Control	RCU and batteries
Cables	HDMI (1.5m), Ethernet CAT-5E (2m)

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This specification is subject to change without notice