

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

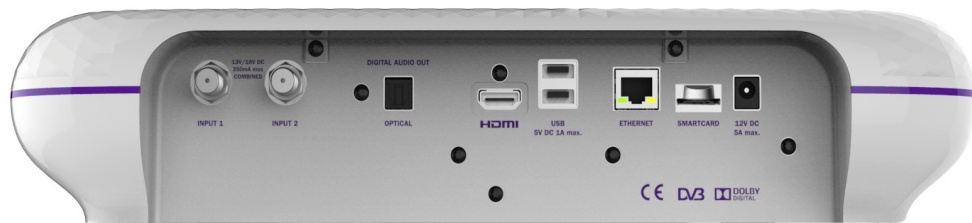
- **Application**
Cisco/NDS Evolution 12
- **Middleware**
Cisco/NDS Evolution 12
- **Boot Loader**
 - Secure bootloader implemented by Cisco/NDS
 - Supporting Broadcast downloads via DVB-S/S2
- **Drivers**
Pace / Linux OS

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) |