



The Intelligent Systems



Versatile Solutions for the
Multimedia Age

Digital Signage Product Selection Guide

Embedded Digital Signage Player Makes the Difference

To cope with growing digital signage application demand, NEXCOM, with decades of solid experience in industrial computing, is dedicated to providing industrial-grade and high-performance digital signage players. NEXCOM has created a full range of digital signage players, the NDiS series, to address the requirements for a broad spectrum of digital signage applications. NDiS product family covers from very low-cost, low-power consumption RISC based media player, x86 low-cost yet powerful media players, to high-end media players with multiple video outputs.

NDiS fanless design cuts tremendous maintenance costs by eliminating dust accumulation. Especially when a system is located at a remote site, the fanless design provides great reliability and a low failure rate. In addition, the slim and compact enclosure makes it easy for NDiS media player to be mounted behind LCD monitors or plugged into mission critical applications.

The initial cost is a tipping point for customer's choices of digital signage. Among all components, hardware costs can be cut down by deploying NDiS multi-output media players,

which support more than two video outputs or dual independent content outputs. With solutions ranging from powerful servers for Digital Streaming to Digital Signage Media Players that address simple and complex applications, NEXCOM continuously innovates high-performance and cost-effective solutions to give customers a competitive advantage.

Features and Benefits

- PC-based platform supporting off-the-shelf hardware and software parts
- Industrial-grade design for better reliability
- Fanless design for lower maintenance cost (selected models)
- Slim and compact dimension for easy integration with large-size display devices
- Hardware accelerated playback of wide variety of media formats to lower total cost of ownership
- Flexible display output options for VGA, DVI and HDMI, single or multiple screens support
- Optimal configuration to handle SD, HD or Full HD quality of contents



Optimized Platform

- Integrated graphic engine
- Various choice of CPU and graphic



Variety of Communication

- For Wi-Fi/ BT/ 3G/ GPS
- Off-the-self integration module



Compact & Thermal Design

- Space-saving easy installation
- Fanless eliminating noise and maintenance-free



Embedded OS

- Lower cost
- Customization by request
- Hardened software image
- Tailored for requirements



Multiple Video Output

- Save redundant hardware cost
- Flexible screen layout



Green Earth

- Low power consumption design
- Optimized standby power



Long Lifespan Guarantee

- Ability to approach large-scale project
- Reduce hardware switching cost
- Secure software investment



Cost Effective Player

Model						
	NDiS 102	NDiS 111	NDiS 126	NDiS 127	NDiS B323	NDiS B324
CPU	TI DM8148 1GHz ARM® Cortex™-A8 RISC MPU	Intel® Atom™ E620	Intel® Atom™ D2550	AMD G-series T56N	Intel® Celeron® processor 1037U	Intel® Celeron® J1800
Chipset	N/A	Intel® EG20T	Intel® NM10	AMD A55E	Intel® NM70	N/A
Graphic	SGX530	Intel® GMA 600	Intel® GMA 3650	ATI HD6320	Intel® HD Graphics Nvidia 705M GPU	Intel® Gen. 7 graphics
RAM	DDR3-1333 1GB	DDR2 1G	DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 4GB	DDR3L SO-DIMM, up to 4GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	Micro SD	SATA DOM	N/A	N/A	N/A	N/A
Video Output	2 x HDMI	1 x DVI-D	1 x HDMI or 1 x HDMI + 1 x VGA or 2 x HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Output Channel	2 Expanded or Clone	1	2 Independent or Clone	2 Independent or Clone	2 Independent or clone	2 Independent or clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
TV Tuner	Optional	Optional	Optional	Optional	Optional	Optional
RS-232	1 (RJ45 Connector)	N/A	1	1	1	1
USB 2.0	2	2	6	4	2	3
USB 3.0	N/A	N/A	N/A	N/A	2	1
Expansion Slot	1 x Mini-PCle	1 x Mini-PCle	1 x Mini-PCle	1 x Mini-PCle, 1 x Mini-PCle (Half)	1 x Mini-PCle	1 x Mini-PCle (Half)
Power Type	12V DC	12V DC	12V DC	12V DC	19V DC	19V DC
Dimension (mm)	179.9 x 114.9 x 37.5	179.9 x 114.9 x 37.5	185 x 147 x 48.4	185 x 147 x 48.4	250 x 194 x 40	180 x 150 x 25
OS Support	Linux 2.6.x	Win7/XP/WES7/WES2009	Win7/WES7	Win7/Win8/XP/WES7/WE8S/WES2009/Linux	Win7/WES7/Win8/WE8S/Linux	Win7/WES7/Win8/WE8S/Linux

High Performance Player

Model						
	NDiS 163	NDiS 165	NDiS 166	NDiS 167	NDiS B532	NDiS B533
CPU	Intel® Core™ 2 Duo/ Celeron® M	AMD R-series Dual/ Quad Core	2nd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA socket type	4th generation Intel® Core™ LGA socket type
Chipset	Intel® GM45/ICH9-M	AMD A70M	Intel® QM67	Intel® QM77	Intel® QM77	Intel® Q87
Graphic	Intel® GMA 4500MHD	AMD HD Graphics 7000 Series	Intel® HD Graphics 3000	Intel® HD Graphics 3000/4000	Intel® HD Graphics 4000	Intel® HD Graphics 4600
RAM	2 x DDR3 DIMM, up to 8GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB
LAN	x1, 10/100/1000Mbps	x2, 10//100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM	SATA DOM	SATA DOM	SATA DOM	SATA DOM
Video Output	1 x VGA, 1 x DVI-D, 1 x HDMI	3 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI	1 x Display Port, 1 x DVI-I, 1 x HDMI	3 x HDMI	3 x HDMI
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Output Channel	2 Independent or Clone	3 Independent or Clone	2 Independent or Clone	3 Independent or Clone	3 Independent or Clone	3 Independent or Clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x S/PDIF, 1 x Line-out, 1 x HDMI audio	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out
TV Tuner	Optional	Optional	Optional	Optional	Optional	Optional
RS-232	2	2	2	2	2	2
USB 2.0	4	2	4	N/A	N/A	N/A
USB 3.0	N/A	2	N/A	4	4	4
Expansion Slot	2 x Mini-PCle	2 x Mini-PCle	2 x Mini-PCle	2 x Mini-PCle	2 x Mini-PCle	2 x Mini-PCle
Power Type	12V DC	12V DC	12V DC	12V DC	12V DC	12V DC
Dimension (mm)	280 x 210 x 40.7	280 x 230 x 44	250 x 194 x 40	250 x 194 x 40	294 x 198 x 52	294 x 198 x 52
OS Support	Win7/XP/WES7/ WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux	Win7/Win8/XP/WES7/ WE8S/WES2009/Linux

 Video Wall Player

Model		
	NDiS B842	NDiS B862
CPU	AMD R-series Dual/ Quad Cord	AMD R-series Dual/ Quad Cord
Chipset	AMD A70M	AMD A70M
Graphic	AMD Radeon™ E6760	AMD Radeon™ E6760
RAM	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB
LAN	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
WLAN	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM
Video Output	4 x HDMI	6 x HDMI
Display Resolution	1920 x 1080	1920 x 1080
Output Channel	4 Independent, Expanded or Clone	6 Independent, Expanded or Clone
Video Capability	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264
Audio Output	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out
TV Tuner	Optional	Optional
RS-232	2	2
USB 2.0	2	2
USB 3.0	2	2
Expansion Slot	2 x Mini-PCle	2 x Mini-PCle
Power Type	12V	12V
Dimension (mm)	280 x 230 x 44	280 x 230 x 44
OS Support	Win7/WES7/Linux	Win7/WES7/Linux

 OPS Module Player

Model				
	NDiS M324	NDiS M422	NDiS M532	NDiS M533
CPU	Intel® Celeron® Processor J1900	AMD G-series T56N	2nd/3rd generation Intel® Core™ rPGA socket type	4th generation Intel® Core™ i5-4400E
Chipset	N/A	AMD A50M	Intel® QM77	Intel® QM87
Graphic	Intel® Gen. 7 graphics	AMD Radeon™ HD6320	Intel® HD Graphics 4000	Intel® HD Graphics 4600
RAM	2 x DDR3L SO-DIMM, up to 8GB	DDR3 SO-DIMM, up to 4GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3L SO-DIMM, up to 16GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	N/A	N/A	N/A	N/A
Video Output	1 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector), 1 x DP (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector), 1 x DP (via JAE connector)
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Output Channel	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone
Video Capability	Hardware decode: MPEG2/4, VC1, H.264, VP8	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG1, MPEG2, VC1, H.264	Hardware decode: MPEG2, VC1, H.264
Audio Output	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)
TV Tuner	Optional	Optional	Optional	Optional
RS-232	N/A	1	2	1
USB 2.0	3 (1 x External, 2 x via JAE connector)	5 (2 x External, 3 x via JAE connector)	N/A	2 (2 x via JAE connector)
USB 3.0	4 (3 x External, 1 x via JAE connector)	N/A	4	5 (4 x External, 1 x via JAE connector)
Expansion Slot	1 x Mini-PCle	1 x Mini-PCle	2 x Mini-PCle	1 x Mini-PCle
Power Type	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)	12-19V DC (via JAE connector)
Dimension (mm)	200 x 119 x 30	200 x 119 x 30	200 x 119 x 30	200 x 119 x 30
OS Support	Win7/WES7/Win8/ WE8S/Linux	Win7/Win8/XP/ WES7/WES2009/ Linux	Win7/Win8/XP/ WES7/WE8S/ WES2009/Linux	Win7/Win8/XP/ WES7/WE8S/ WES2009/Linux

Headquarters

NEXCOM International Co., Ltd.

15F, No. 920, Chung-Cheng Rd., ZhongHe District, New Taipei City, 23586, Taiwan, R.O.C.
Tel: +886-2-8226-7786
Fax: +886-2-8226-7782
www.nexcom.com

America

USA NEXCOM USA

2883 Bayview Drive,
Fremont CA 94538, USA
Tel: +1-510-656-2248
Fax: +1-510-656-2158
Email: sales@nexcom.com
www.nexcom.com

Asia

Taiwan Central Taiwan Office

16F, No.250, Sec. 2, Chongde Rd.,
Beitun Dist., Taichung City 406, R.O.C.
Tel: +886-4-2249-1179
Fax: +886-4-2249-1172
Email: sales@nexcom.com.tw
www.nexcom.com.tw

Japan NEXCOM Japan

9F, Tamachi Hara Bldg.,
4-11-5, Shiba Minato-ku,
Tokyo, 108-0014, Japan
Tel: +81-3-5419-7830
Fax: +81-3-5419-7832
Email: sales@nexcom-jp.com
www.nexcom-jp.com

China

NEXCOM China

2F, Block 4, Venus Plaza, Bldg. 21,
ZhongGuanCun Software Park, No. 8,
Dongbeiwang West Rd., Haidian District,
Beijing, 100193, China
Tel: +86-10-8282-6599
Fax: +86-10-8282-5955
Email: sales@nexcom.cn
www.nexcom.cn

Chengdu Office

9F, Shuxiangxie, Xuefu Garden,
No.12 Section 1, South Yihuan Rd.,
Chengdu, 610061, China
Tel: +86-28-8523-0186
Fax: +86-28-8523-0186
Email: sales@nexcom.cn
www.nexcom.cn

Shanghai Office

Room 1505, Greenland He Chuang Bldg.,
No. 450 Caoyang Rd.,
Shanghai, 200062, China
Tel: +86-21-6150-8008
Fax: +86-21-3251-6358
Email: sales@nexcom.cn
www.nexcom.cn

Shenzhen Office

Room1707, North Block, Pines Bldg.,
No.7 Tairan Rd., Futian Area
Shenzhen, 518040, China
Tel: +86-755-8332-7203
Fax: +86-755-8332-7213
Email: sales@nexcom.cn
www.nexcom.cn

Wuhan Office

1-C1804/1805, Mingze Liwan, No. 519
South Luoshi Rd., Hongshan District,
Wuhan, 430070, China
Tel: +86-27-8722-7400
Fax: +86-27-8722-7400
Email: sales@nexcom.cn
www.nexcom.cn

Europe

United Kingdom NEXCOM EUROPE

10 Vincent Avenue,
Crownhill Business Centre,
Milton Keynes, Buckinghamshire
MK8 0AB, United Kingdom
Tel: +44-1908-267121
Fax: +44-1908-262042
Email: sales.uk@nexcom.eu
www.nexcom.eu

Italy NEXCOM ITALIA S.r.l

Via Gaudenzio Ferrari 29,
21047 Saronno (VA), Italia
Tel: +39 02 9628 0333
Fax: +39 02 9286 9215
Email: nexcomitalia@nexcom.eu
www.nexcomitalia.it



Please verify specifications before quoting. This guide is intended for reference purpose only.
All product specifications and information are subject to change without notice.
No part of this publication may be reproduced in any form or by any means without prior written permission of the publisher.
All brand and product names are registered trademarks of their respective companies.
© NEXCOM International Co. Ltd. 2014