



*Fanless Intel® Atom™ N270 HDMI Media Player  
Featuring embedded hardware decoder for 1080p High-Definition playback*



The BIS-6550HD is a high performance Intel N270 Atom based 1080p full HD platform. It includes an ultra low power HD AVC/VC-1/MPEG-2 hardware decoder, capable of full HD real-time decoding of H.264, VC-1 media content at up to 40Mbps, MPEG-2 at up to 125Mbps.

Playback of 1080p H.264 HD video with the BIS-6550HD uses less than 15% of the 2.5W Atom N270 CPU, and 1080p WMV HD content uses even less.

The power consumption of the entire solution is less than 15W, a fraction of a conventional GPU on a standard video card with HD capability, and half the power consumption of the nVidia ION reference design.

A WLAN option is ideal for mobile installations, while an optional TV-tuner is ideal for deployments that feature live TV programs. A standard fanless enclosure and NORCO's ICEFIN™ proprietary thermal design enclosure is available.

## BIS-6550HD





# BIS-6550HD Intel Atom N270 based HDMI media player

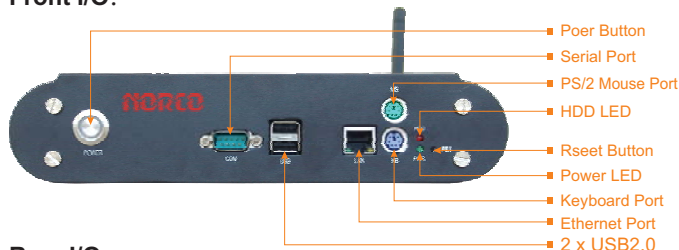
## Features

- Highly efficient fanless proprietary thermal design
- VESA mount ready for easy installation and mounting
- Compact and low power consumption
- Supports full high-definition video hardware decoding
- Internal 2.5" SATA mounting, CF socket and SD reader
- VGA + HDMI dual independent display support
- Optional WLAN or TV-Tuner
- Supports Windows Embedded & Linux

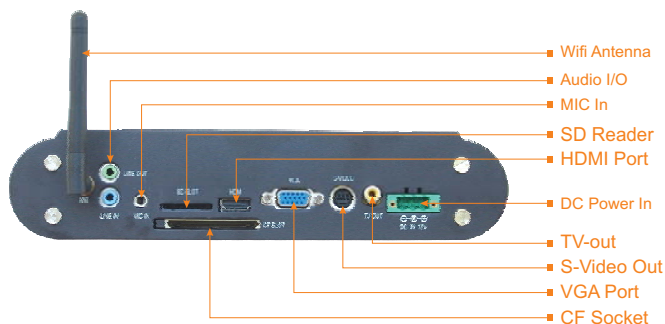
## Specifications

	BIS-6550HD	BIS-6550II
Processor	Intel Atom N270 1.6G 533	
Chipset	Intel 945GSE + ICH7M, GMA950	
Memory	DDR2 SODIMM, up to 2GB	
Display	VGA + DVI dual independent, Broadcom H/W Decoder	
Enclosure	Standard Fanless Case	ICEFIN™ proprietary thermal design enclosure
Audio	ALC888 HD Audio, MIC-IN and LINE-OUT	
LAN	1 x Gigabit Ethernet, Realtek RTL8111C, RJ45	
Wireless	Optional via internal USB	
TV-Tuner	Optional ATSC TV tuner/Video-in via internal USB	
I/O	2 x USB2.0, 1 x COM	
Storage	1 x Internal 2.5" SATA HDD mounting, 1 x CF, 1 x SD	
Power	Consumption Average < 15W, DC +12V@5A minimum	
Temperature	0°C ~ 45°C operating	-10°C ~ 50°C operating
Dimensions	205mm x 153mm x 48mm	244mm x 156mm x 54mm

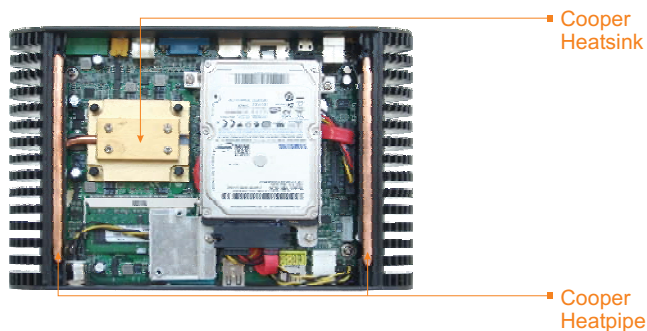
## Front I/O:



## Rear I/O:



## ICEFIN™ fanless thermal design:



## Display Support

Display Compatibility	VGA	800x600, 1024x768, 1152x864, 1280x600, 1280x720, 1280x960, 1280x1024, 1400x1050, 1400x900, 1600x900, 1680x1050, 1920x1080
	HDMI	800x600, 1024x768, 1280x600, 1280x720, 1280x960, 1280x1024, 1400x1050, 1400x900, 1600x900, 1680x1050, 1920x1080, 1920x1200
Video Decoder	Broadcom H/W	Full hardware acceleration of H.264, MPEG2, MPEG4, VC1, and WMV9 up to 1080p, MS DirectShow filter support media player required

