

DS81

Slim & Powerful



Robust Slim PC

For Vertical Market Applications

The DS81 is a slim, but powerful barebone PC for Intel Haswell desktop processors using LGA1150 socket. Besides its superior quality, the DS81 that barely measures 1.7 inches in height also convinces with its system performance and versatility. Its reliable and durable design makes it ideal for use with professional applications such as POS, POI, gambling machines, office, healthcare and industry. Thanks to its robust metal chassis and a wide ambient temperature range from 0 to 50 degree Celsius, the DS81 is a commercial-grade signage platform perfectly suitable for permanent operation.

PRODUCT SPECIFICATIONS

Slim Design	<ul style="list-style-type: none"> • Slim 1.3 Liter Metal Chassis, Black • Dimensions: 7.5 x 6.5 x 1.7 inches (LWH) • Including VESA Mount (75/100 mm)
Operating System	<ul style="list-style-type: none"> • The Operating System Is Not Included • Compatible w. Windows XP / Vista / 7 / 8, Linux
Processor	<ul style="list-style-type: none"> • Supports Socket LGA 1150 "Haswell" CPUs, max. 65W TDP • Supports Core i7 / i5 / i3, Pentium, Celeron • Including Cooling System w/ Two Fans
Chipset	<ul style="list-style-type: none"> • Intel H81 Express Chipset
Memory	<ul style="list-style-type: none"> • 2 x 204 pin SO-DIMM slots • Supports DDR3-1333/1600, max 2x 8 GB
Graphics	<ul style="list-style-type: none"> • Integrated Intel HD Graphics (Features Depends on Processor) • Video-Outputs: HDMI & 2 x Display Port (DP) • Supports 4K/2K Resolution
Storage Bays	<ul style="list-style-type: none"> • Bay: 6.35 cm/ 2.5" for Hard Disk or SSD • Two Mini PCI Express expansion slots: <ul style="list-style-type: none"> 1x Full-Size (supports mSATA 6 Gb/s) 1x Half-Size (for optional WLAN module)
Other Connectors	<ul style="list-style-type: none"> • 2 x USB 3.0 (Rear), 6 x USB 2.0 (4 x Front) • 2 x Audio (Line Out + Mic) • Dual Gigabit LAN (RJ45), Supports WOL, PXE • 2 x COM Ports (RS232 + RS232/RS422/RS485) • Connector for External Power Button
Power Supply	<ul style="list-style-type: none"> • External 90W Fanless Power Adapter
Applications	<ul style="list-style-type: none"> • Digital Signage, POS, Control Device, etc.

THE DS81 IS YOUR POWERFUL 1.3 LITER SLIM PC SOLUTION FOR HIGH PERFORMANCE DRIVEN APPLICATIONS, E.G.:



- Digital Signage
- Gambling
- Home-Media
- Kiosk
- Office
- In-Store Audio/Video Entertainment
- Automation
- Small Server
- Point of Sales (POS)
- Medical
- Education
- Call-Center



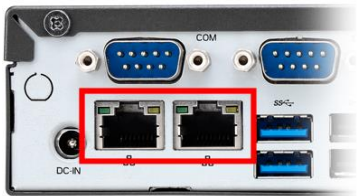
> GREAT CONNECTIVITY

Despite its small size, DS81 sports a wide range of I/O connectors. It features a couple of USB 3.0, USB 2.0, Dual Gigabit LAN, digital video, audio and serial ports.



> DUAL VIEW TECHNOLOGY WITH HDMI & DISPLAY PORT

DS81 features three digital video outputs: HDMI and 2x Display Port. Dual View technology offers multiple display support on up to two separate monitors. This helps improve on productivity by allowing for spreading multiple windows across two monitors while working with them simultaneously. Furthermore, the DS81 supports an optional D-Sub/VGA port.



> DUAL GIGABIT LAN NETWORK

Today's media-rich communications across the internet and within enterprises create need for bandwidth. This is why Shuttle applies Gigabit-LAN performance to their Mini PCs and DS81 even supports two of them. Dual networking allows the computer to connect to a single network using two cables at once with an appropriate switch (teaming mode with load balancing or failover function) or to two different networks depending on the needs of the user.



> TWO SERIALS PORTS

Many PCs do not have these legacy ports any longer, since they have been superseded and replaced by USB for most consumer applications, but they are still commonly used for applications such as industrial automation systems, scientific analysis, POS systems and other industrial applications. The DS81 features two serial RS-232 ports which also support either 5 or 12V auxiliary voltage. The left COM port also supports the RS422 and RS485 standard.



> LOW NOISE THANKS TO HEAT-PIPE COOLING SYSTEMS

An active dual-fan heat pipe cooling system ensures whisper-quiet operation and system stability.