

# DS81L

## High-performance 12V Slim PC for commercial application



Featuring the all-new DS81L, a more energy efficient version of the DS81 made for automotive and robotics application. The DS81L features the same support for high-performance processors, including Intel's 4th generation Core, Pentium, and Celeron 65W series, but with lower power consumption. It runs on a mere 12 Volts and consumes a maximum of 84Watts while it's older brother, DS81 runs on 19V and consumes a max 90Watts. The difference in energy consumption is essential for commercial applications that require long-term operation. The system memory supports dual-channel DDR3 1600 with maximum capacity up to 16GB and is able to deliver 4K Ultra HD video content depending on the CPU.

FORM FACTOR	1.3L chassis	
PROCESSOR	Support Intel Haswell/Haswell refresh Core i3/i5/i7, Pentium, Celeron CPU max. TDP 65W	
CHIPSET	Intel H81 Express chipset	
MEMORY	2 x 204 pin DDR3 SODIMM slots, 8GB per DIMM (Max 16GB) Dual Channel DDR3 1600 Mhz	
VGA	HDMI x1 + Display port x1 Support dual display 4K playback (Dual channel memory recommended)	
AUDIO	Realtek ALC892 channel High Definition Audio	
ETHERNET	Realtek 8111G X2 100Mb/s and 1Gb/s operation Support Wake-On-LAN function Support Teaming function	
STORAGE INTERFACE	SATA 6.0Gb/s & 3.0Gb/s interface	
ONBOARD CONNECTORS	(1) SATA 6 connectors (1) SATA 3 connector (1) SATA power connector (1) LPC header	(1) 4pin fan connector (1) D-sub connector (1) Front audio header
FRONT PANEL	(4) USB 2.0 ports (1) Microphone-In (1) Earphone-Out (1) Power-On button	(1) Power LED (1) HDD LED (1) SD Card reader
BACK PANEL	(2) RJ45 Gigabit LAN port (2) Display port (1) HDMI port (2) USB 3.0 ports (2) USB 2.0 ports (1) RS232*	(1) RS232/RS422/RS485* (1) External power on/Clear CMOS header (1) DC in (1) Kensington lock (2) Wireless Antenna fixture
DRIVE BAYS	(1) 2.5" HDD / SSD bay	
DIMENSIONS	190(L) x 165(W) x 43(H) mm	
POWER	84W Power Adapter Input: 100- 240V AC Output: 12V 7A DC	
ACCESSORIES	XPC Multilanguage Quick User Guide XPC DVD Driver VESA mount VESA mount quick installation guide 1* Power cord 1* SATA cable Screws Optional 802.11b/g/n WLAN module	
EXPANSION SLOT	(1) Full size Mini-PCIE socket (Only support m-SATA ) (1) Half size Mini-PCIE socket	
OS SUPPORT	Windows 8.1 Windows 7 Linux	
REMARK	*RS232 ports support totally 500mA, 0/5/12V output. Voltage setting please refer to Quick Guide.	