

ARM-based Box PC

Features

- Available on Vortex86 SoC and Intel platforms
- Onboard 2GB DDR3
- SATA and SD support
- 2.5" HDD support
- Giga LAN support
- +12 to +24VDC Input



Specifications

CPU	DM&P SoC CPU Vortex86DX3 – 1GHz	Intel® Atom™ x5-E8000, Quad Core @ 1.04GHz (Turbo Boost 2.00GHz), 2MB Cache
RAM	2GB DDR3 Onboard	4GB DDR3 Onboard
BIOS	AMI BIOS	AMI BIOS
Bus	Mini PCI Express (USB + RS232 signals for 3G/4G module)	Mini PCI Express
Display	Integrated 2D VGA chip with Dual Display Support (VGA + LVDS) VGA: Maximum resolution up to 1920 x 1080 @60Hz LVDS: Maximum resolution up to 1024x 768 @60Hz Single channel 24-bit LVDS	Integrated display chip with Dual Display Support (HDMI + LVDS) Supports 3D rendering, media compositing video encode/transcode Supports H.264, H.263, SVC, VP8, VP9, AVS, PAVP2.0, HDCP 1.4/2.1, Media Vault DRM, DirectX 11.1, OpenGL 4.2, ES 3.0 and OpenCL 1.2
LAN	Integrated 10/100Mbps Ethernet x1 Realtek 8111F 10/100/1000Mbps x2	Realtek 8111F 10/100/1000Mbps x2
Audio	MIC-In x1 Line-Out x1	MIC-In x1 Line-Out x1
Disk Support	SATA DoM Micro SD 7-mm 2.5" SATA HDD (Optional)	SATA DoM Micro SD 7-mm 2.5" SATA HDD (Optional)
I/O Interface	8-bit Isolated GPIO x1 USB (Ver. 2.0) x4 RS232 x3 8-bit GPIO x1 (Optional) CAN Bus x1 (Optional)	8-bit GPIO x1 (Optional) USB (Ver. 3.0) x4 RS232 x3
Power Requirement	Single Voltage +12 to +24V	Single Voltage +12 to +24V
Operating Temperature	-20°C - +70°C	-20°C - +70°C
Dimension	152 x 104 x 54mm (5.98 x 4.09 x 2.13 inches)	152 x 104 x 54mm (5.98 x 4.09 x 2.13 inches)
Weight	760g	800g

Ordering Information

PART NO.	CPU (MHz)	DRAM (DDR3)	Storage	Display	LAN/ GigaLAN	RS232/ USB	Isolated GPIO	GPIO (Optional)	Audio	CAN (Optional)	2.5"HDD (Optional)
iBPC-D3-75G	1GHz	2GB	SATA Micro SD	VGA LVDS	1/2	3/4	8	8	Line-Out MIC-In	---	Support
iBPC-D3-75C	1GHz	2GB	SATA Micro SD	VGA LVDS	1/2	3/4	8	---	Line-Out MIC-In	1	Support
iBPC-D3-75GC	1GHz	2GB	SATA Micro SD	VGA LVDS	1/2	3/4	8	8	Line-Out MIC-In	1	---
iBPC-E8	1.04GHz	4/8GB	SATA Micro SD	HDMI LVDS	--/2	3/4	---	8	Line-Out MIC-In	---	Support

