

# VEX2-6454



## Specifications

CPU	DM&P Vortex86EX2 Processor 600MHz			
RAM	512MB/1GB DDR3 Onboard			
IOS	Coreboot BIOS			
Expansion	ISA Bus x1	MiniPCIe x1		
Display	Integrated 2D VGA chip with VGA and TFT Flat Panel Interface Support VGA: resolution up to 1024 x 768 @ 60Hz LCD: resolution up to 1024 x 768 @ 60Hz LVDS: resolution up to 1024 x 768 @ 60Hz, single channel 24-bit			
LAN	Integrated 10/100Mbps LAN x1			
Audio	Realtek ALC262	Buzzer		
Disk Support	SD Card	eMMC (support up to 16GB)		
I/O Interface	COM x4 (2x RS232/485) PS/2 x2	USB x2 16-bit GPIO x1	Parallel x1 4-wire touch x1 (Option)	
Connectors	2.0mm 8-pin header for LAN x1 2.0mm 10-pin box header for COM x4 2.0mm 2-pin header for Reset x1 2.0mm 10-header for 16-GPIO x1 Terminal block for Power input x1	2.0mm 10-pin box header for USB x1 2.0mm 44-pin box header for LCD x1 2.0mm 26-pin box header for Parallel x1 2.54mm 5-pin header for Keyboard x1 Standard PC/104 connector x1	2.0mm 10-pin box header for VGA x1 2.0mm 16-pin header for LVDS x1 2.54mm 5-pin header for Mouse x1 2.54mm 4-pin header for Power output x1	
Power Requirement	5VDC @ 660mA			
Operating Temperature	-20°C to +70°C -40°C to +85°C (Option)			
Dimension	90 x 96mm			
Weight	TBA			
O/S Support	Windows Embedded Compact 7 Buildroot DOS	Windows Embedded CE6.0 POS Ready (WePOS)	Windows Embedded 2009 QNX	Linux FreeBSD

## Ordering Information

PART NO.	CPU Speed	DRAM (DDR3)	Disk Support	Display	COM	USB	GPIO	Parallel	PS/2	Audio	16-bit ISA	8-bit ISA	MiniPCIe
VEX2-6454-2C4IEE	600MHz	1GB	4GB eMMC	VGA	2	2		1			1		1
VEX2-6454-4C4EE				LCD LVDS	4	2	16bits	1	1	Lin-out MIC-in		1	1
VEX2-6050-2C3IE		512MB	Micro SD			2	2		1			1	1

**PRELIMINARY VERSION**