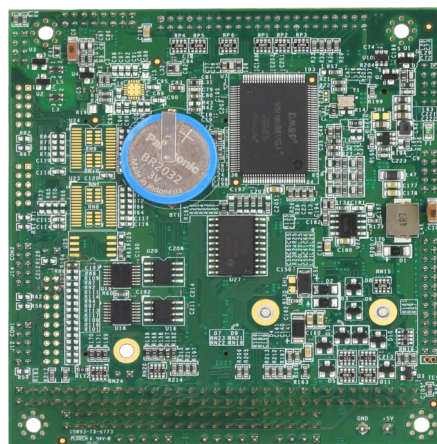
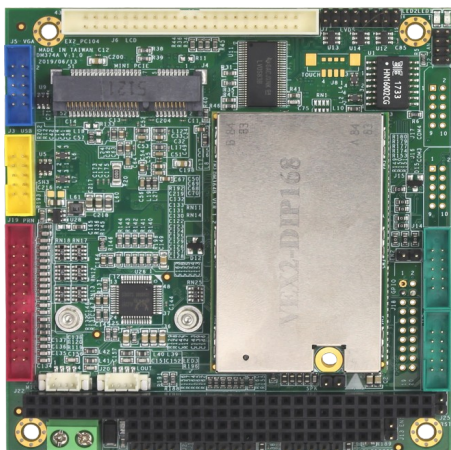


VEX2-6454



Specifications

CPU	DM&P Vortex86EX2 Processor 600MHz		
RAM	512MB/1GB DDR3 Onboard		
BIOS	Coreboot BIOS		
Expansion	ISA Bus x1 (Option)	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	Micro SD Card / eMMC (Option)		
I/O Interface	COM x4 (2x RS232/485) (Option) PS/2 x2 (Option)	USB (ver.2.0) x2 16-bit GPIO x1 (Option)	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 (Option) 2.0mm 2-pin header for Reset x1 2.0mm 10-header for 16-bit GPIO x1 (Option) 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 (Option) Standard PC/104 connectr x1 (Option)	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 (Option) 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	86g		
O/S Support	Windows Embedded Compact 7 DOS	Windows Embedded CE6.0 FreeBSD	QNX Linux

Benchmark & Power Consumption Index



Perfect Replacement Solution for Vortex86 DX Platform

1. CPU instruction upgrade
2. DRAM from DDR2 to DDR3
3. Manufacturing process from 90nm to 65nm

Ordering Information

PART NO.	CPU Speed	DRAM (DDR3)	Disk Support	Display	COM	USB	GPIO	Parallel	PS/2	Audio	16-bit ISA	MiniPCIe
VEX2-6454-2C4INE	600MHz	1GB	Micro SD	VGA	2	2		1			1	1
VEX2-6454-4C4NE				LCD LVDS	4	2	16bits	1	1	Lin-out MIC-in		1
VEX2-6450-2C3INE		512MB					2	2				1