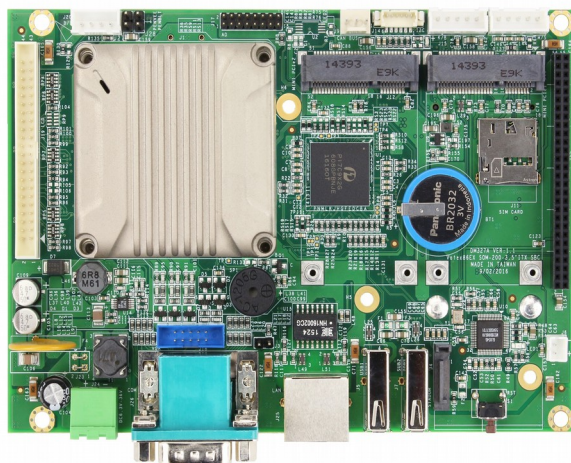


# VEX-6225



- Based on SOM200EX Module
- Low-Power Consumption Industrial 3.5" Embedded SBC
- 3x Mini PCIe Available
- SIM Card Slot
- Expansion I/O Support up to 3x USB and 3x 8-bit GPIO
- Operating Temperature Support from -40 to +85°C
- Power Supply 12 to 24V DC Input
- EtherCAT Support

CPU	Vortex86EX 400MHz, L1 I/D-Cache 16/16KB, L2 128KB
RAM	512MB DDR3 Onboard
BIOS	Coreboot BIOS
Bus	USB-signal 3G/4G modem with Mini PCI Express Form Factor x1 Mini PCI Express x2 (Optional) Expansion I/O x1 (Optional) (A)USB x3 + 8-bit GPIO x3, or (B)USB x3 + COM x3, or (C)USB x3 + Printer x1 + SPI Bus x1
Display	Integrated 2D VGA chip with VGA and TFT Flat Panel Interface Support VGA: Maximum resolution up to 1024 x 768 @60Hz LCD: Maximum resolution up to 1024 x 768 @60Hz
LAN	Integrated 10/100Mbps Ethernet
Disk Support	SATA DOM, Micro SD
I/O Interface	8-CH 11-bit ADC x1   USB(ver 2.0) x2   RS232 x1   RS232/485 x1   CAN x1   I <sup>2</sup> C x1
Connectors	Mini PCI Express x3   Micro SD Card x1   SIM Card Slot x1   1.2mm 6-pin wafer for I <sup>2</sup> C x1   2.0mm 56-pin female connector x1 2.0mm 10-pin box header for VGA x1   2.0mm 44-pin box header for LCD x1   2.0mm 10-pin header for ADC x1 2.54mm 3-pin header for CAN x1   2.54mm 5-pin box header for Keyboard x1   2.54mm 5-pin box header for Mouse x1 2.54mm 2-pin header for RS232/485 switching x1   External D-Sub 9-pin male connector for RS232 x1 External D-Sub 9-pin male connector for RS232/485 x1   External RJ45 connector for Ethernet x1   2-pin power terminal connector x1 2-pin box header for +5V DC Output x1   7-pin SATA connector for SATA DoM x1
Power Requirement	+12 - 24V DC Input   Typical Consumption: +12V DC Input @ 200mA
Operating Temperature	-20 - +70°C   -40 - +85°C (Optional)
Operating Systems	DOS   Windows CE6   Windows Embedded Compact 7   x-Linux   Linux   QNX   VxWorks   FreeBSD
Dimension	102 x 146mm (4.01 x 5.75 inches)
Weight	165g

## Ordering Information

PART NO.	CPU (MHz)	DRAM (DDR3)	Storage	Display	LAN	SIM Card	USB (Ver. 2.0)	COM*	CAN/I <sup>2</sup> C	11-bit ADC	Mini PCIe**	Expansion I/O
VEX-6225-43VE	400MHz	512MB	SATA Micro SD	VGA LCD	1	1	2	2	1/1	1	1	1
VEX-6225-43EE	400MHz	512MB	SATA Micro SD	N/A	1	1	2	2	1/1	1	3	1

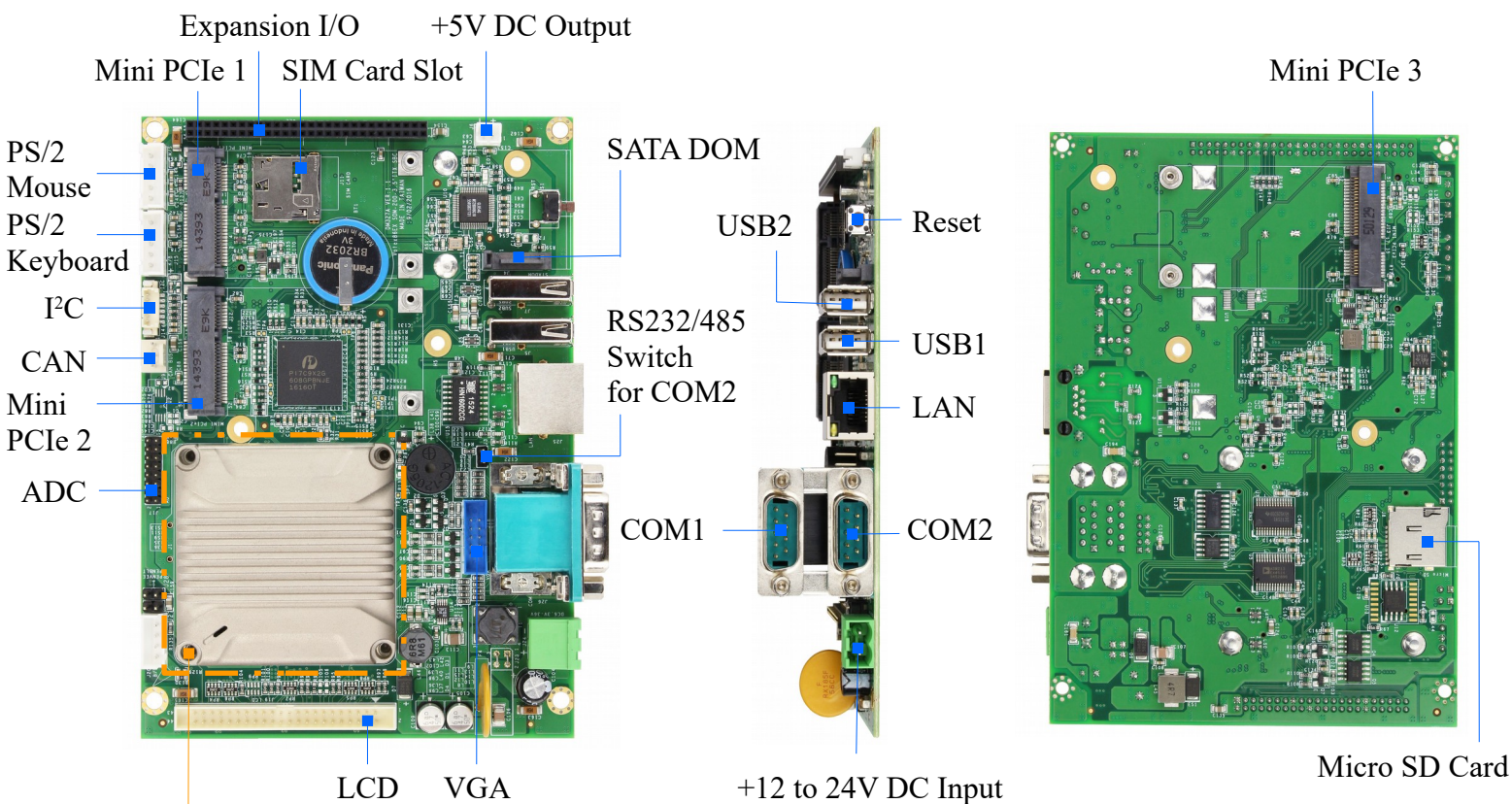
\*COM2 can be configured as RS232 or RS485

\*\*Mini PCIe 1 is only available for USB-signal 3G/4G modem

\*\*\*Operating Temperature: -20 - +70°C, -40 - +85°C (Optional)

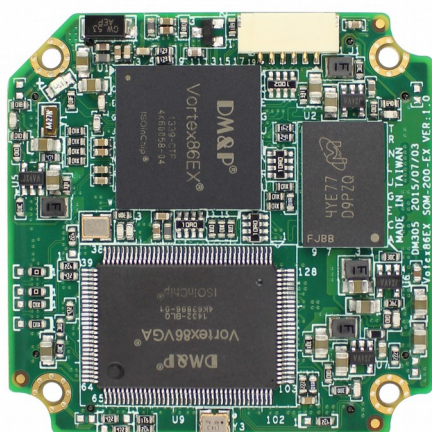
# VEX-6225

## CONNECTORS

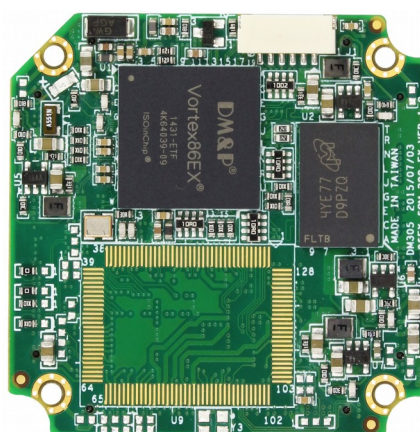


SOM200EX Module

## SOM200EX Module



SOM200EX43VGNE



SOM200EX43EGNE

### Ordering Information

PART NO.	CPU (MHz)	DRAM (DDR3)	Storage	Display	PCIe	11-bit ADC	I/O Function Configuration
SOM200EX43VGNE	400MHz	512MB	SATA	VGA	N/A	1	V
SOM200EX43EGNE	400MHz	512MB	SATA	N/A	1	1	V

\*For design reference and details about SOM200EX module, please refer the user manual of VEX-6225.