

# SPC-0206

Standard 2U Rackmount Industrial PC



## Features

- The chassis is shaped with high-quality steel sheet with good performance on dustproof, heat-dissipation, anti-shock and EMC
- It can be widely applied in electric power and railway industries for its high-reliability, low-power and fanless design
- Onboard low-power PowerPC Freescale MPC8245 processor
- Two 10/100Mbps Ethernet controllers
- Twenty-one hi-pot RS-232/422/485 serial ports supporting photoelectric isolation
- Wide-temperature design

## Specifications

System	
Processor	Onboard low-power PowerPC Freescale MPC8245 CPU
Chipset	VT82C686B
Memory	Onboard 256MB system memory
Watchdog Timer	Software programmable supports 1~255 sec./min. System reset/interrupt
Expansion Interface	PC/104-Plus connector, including one PCI-104 connector and one PC/104 connector

I/O Interface	
USB	2 x USB2.0 port
Serial Port	21 x hi-pot RS-232/422/485 serial port supporting photoelectric isolation
PS/2	1 x PS/2

Ethernet	
Chipset	2 x RealTek 8139D Ethernet chip
Speed	10/100Mbps
Connector	2 x RJ45 LAN connector

Power	
Power Supply	Support AC220V 60W power supply, DC9~36V wide voltage (optional)
Power Consumption	Typical 15.3W

Test	
Vibration	Amplitude 5~19Hz/1.2mm; acceleration 19~200Hz/1.2g
Shock	15g acceleration peak-peak, 11ms pulse
EMC/EMI	Limits of radio disturbance are compliant with GB9254-1998, Class A / Immunity to disturbance is compliant with the limits of GB/T17618-1998

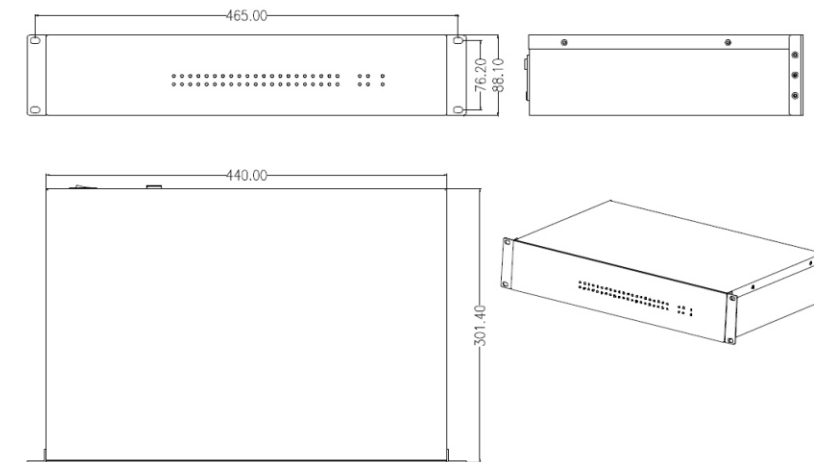
Storage	
Flash ROM	Onboard 1G Flash storage
CF	1 x Compact Flash socket, mobile storage device in IDE mode, satisfying more expansion requirements

Onboard Video	
Chipset	The chipset integrated graphics controller
Memory	32MB shared memory
Display	1 x standard VGA display socket

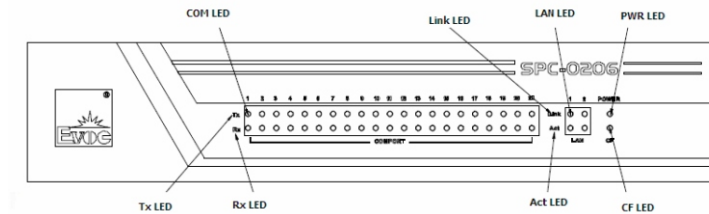
Mechanical and Environmental	
Dimensions	440mm(W) x 301.40mm(D) x 88.10mm(H)
Reliability	MTBF ≥ 50000h; MTTR ≤ 0.5h
Safety	GB4943 compliant
Operating Temperature	-40°C~75°C
Operating Humidity	RH=95%, +40°C

Operating System	
Embedded OS	Linux/Vxworks

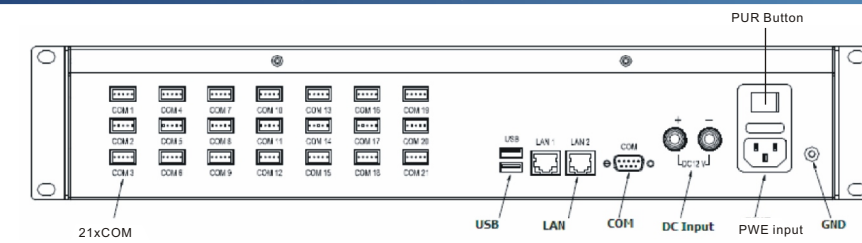
## Dimensions



## Front Panel External I/O Mechanical Layout/Drawing



## Rear Panel External I/O Mechanical Layout/Drawing



## Available Accessories

Part Number	Name	Description	Qty.
2360-013271	AC power cable/RoHS	250 connector to 187/Y-cable/18AWG/length: 100mm/300mm/UL1015	1
2372-001141	Rubber pad/RoHS	20x20/3M adhesive-backed	4
—	Driver CD/Protective film/RoHS	SPC-0204/Long March series	1
—	User's Manual/RoHS	SPC-0204/Long March series	1

## Ordering Information

Part Number	Model Number	Description
0010-000330	SPC-0206	Complete PC: PowerPC Freescale MPC8245 CPU/256M/onboard 1G flashROM/ECS-3511CD2N/ AC220V 60W power supply or DC9~36V DC wide-voltage power supply/SPC-0206
0010-000331	SPC-0206	Complete PC/RoHS: PowerPC Freescale MPC8245 CPU/256M/onboard 1G flash ROM/ECS-3511CD2N/ AC220V 60W power supply or DC9~36V DC wide-voltage power supply/SPC-0206
0020-031291	SPC-0206/no power supply/no backplane	Empty chassis/RoHS