

SPC-2900 Series

Ultra Compact Embedded System with Quad Core Intel® J1900, 2 Gigabit LAN, 4 COM, Isolated DIO, 7 USB 3.0 with Renesas Technology for USB Inspection, Fanless, Rugged, Extended Temperature

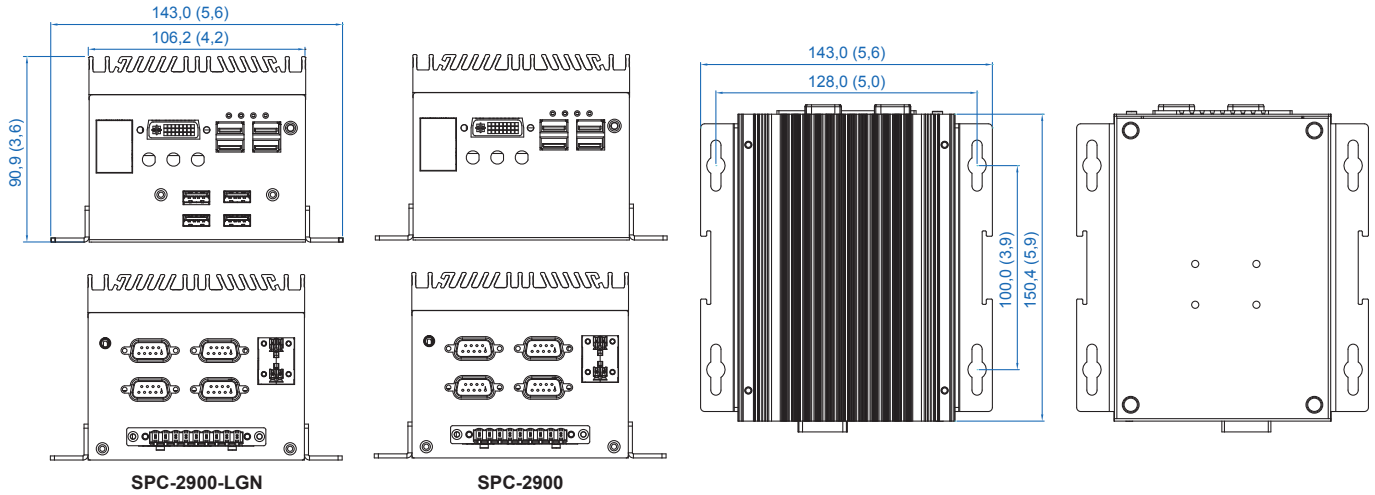


- Quad Core Intel® Celeron® Processor J1900
- Rugged, -25°C to 70°C Operating Temperature
- Fanless and Ultra-compact
- 6V to 36V DC Power Input
- DVI-I for VGA/ DVI-D/ HDMI Video Output
- Renesas USB 3.0 Technology, up to 7 USB 3.0
- Dual Independent Gigabit LAN, 8 Isolated DIO
- 4 COM RS-232/ 422/ 485 with Auto Flow Control
- Supports 3G/ 4G/ LTE/ WiFi/ GPRS/ UMTS
- Optional supports External SIM Card/ CFast Card/ SSD Tray



Dimensions & Drawing

Unit: mm (inch)



Specifications

System	
Processor	Quad Core Intel® Celeron® Processor J1900 (2M Cache, up to 2.42 GHz)
Chipset	Intel® SoC (Bay Trail)
BIOS	AMI
SIO	IT8786E
Memory	1 DDR3L 1333MHz SO-DIMM, up to 8GB
I/O Interface	
Serial	4 COM RS-232/ 422/ 485
USB	<ul style="list-style-type: none"> • 7 External USB 3.0 (SPC-2900-LGN)/ 3 External USB 3.0 (SPC-2900) • 1 USB 2.0 (External)
Isolated DIO	8 Isolated DIO : 4 DI, 4 DO
LED	Power, HDD, WTD
SIM Card	1 Internal SIM Card Socket (SPC-2900)
Expansion	
Mini PCIe	2 Mini PCIe Socket (SPC-2900) : <ul style="list-style-type: none"> • 1 Mini PCIe for PCIe/ USB/ SIM Card • 1 Mini PCIe for PCIe/ USB/ Optional mSATA
Graphics	
Chipset	Intel® HD
Interface	DVI-I for VGA/ DVI-D/ HDMI output : <ul style="list-style-type: none"> • DVI : Up to 1920 x 1080 • VGA : Up to 2560 x 1600
Storage	
SATA	1 SATA II (3Gbps)
mSATA	1 SATA II (Mini PCIe Type, 3Gbps, SPC-2900)
Audio	
Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	1 Line-out

Ethernet	
LAN 1	Gigabit LAN by Intel® I210
LAN 2	Gigabit LAN by Intel® I210
Power	
Power Input	6V to 36V, DC-in
Power Interface	2-pin Terminal Block : V+, V-
Remote Switch	2-pin Terminal Block : On, Off
Others	
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Management	Wake on LAN, PXE supported
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats
Software Support	
OS	Windows 8, Windows 7, Linux
Mechanical	
Dimension	106mm x 150.4mm x 91mm (4.2" x 5.9" x 3.6")
Weight	1.6 kg (3.5 lb)
Mounting	<ul style="list-style-type: none"> • Wallmount by mounting bracket • DIN Rail Mount (Optional)
Environment	
Operating Temp.	-25°C to 70°C (-13°F to 158°F)
Storage Temp.	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 70°C
Shock	<ul style="list-style-type: none"> • IEC 60068-2-27 • SSD : 50G @ wallmount, Half-sine, 11ms
Vibration	<ul style="list-style-type: none"> • IEC 60068-2-64 • SSD : 5Grms, 5Hz to 500Hz, 3 Axis
EMC	CE, FCC, EN 50155, EN 50121-3-2

Order Information

SPC-2900-LGN	• SPC-2900 Ultra-compact Embedded System, 7 USB 3.0, 2 GbE LAN, 4 COM, Isolated DIO, Onboard Quad Core Intel® Celeron® J1900
SPC-2900	• SPC-2900 Ultra-compact Embedded System, 3 USB 3.0, 2 GbE LAN, 4 COM, Isolated DIO, Onboard Quad Core Intel® Celeron® J1900
DDR3L4G	• Certified DDR3L-1600 4G RAM
DDR3L8G	• Certified DDR3L-1600 8G RAM
PWA-60WP2	• 60W, 24V/2.5A 100V AC to 240V AC Power Adapter for 2 Pin 3.5mm Terminal Block
DIN-RAIL	• DIN Rail Kit
3G Module	• Mini PCIe 3G/GPS Module with Antenna
4G Module	• Mini PCIe 4G/GPS Module with Antenna
WiFi Module	• Mini PCIe WiFi Module with Antenna