

# Industrial Computing Products and Services

Panel PC's



Industrial PC's



SBC's



Electronic Design



Industrial Displays



Embedding the future



## Why Choose DSL?

- ✓ Lifetime technical support
- ✓ Fully customisable products
- ✓ Product branding (bezel colours + company logos)
- ✓ Free pre-installation of OS and your software



## Our Services

- ✓ Electronic Design
- ✓ Production Management
- ✓ Assembly and test
- ✓ Bespoke BIOS creation



[sales@dsl-ltd.co.uk](mailto:sales@dsl-ltd.co.uk)

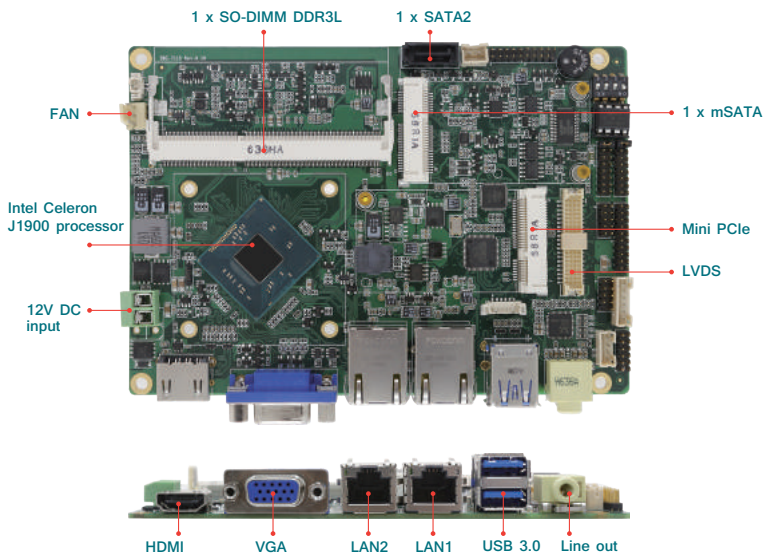
or call us on +44 (0)1462 675530



# SBC-7115

ECX, 3.5" SBC, Onboard Intel® Celeron Processor J1900 (up to 2.42GHz), DDR3L 204Pin SO-DIMM, LVDS/HDMI/VGA

▶▶ ECX



## Features

- Intel Celeron J1900 quad core up to 2.42GHz Processor
- 1 x DDR3L 204Pin SO-DIMM 1333MHz FSB
- 18/24 bit dual channel LVDS
- HDMI interface output
- DC 12V input only

## Specifications

### System

<b>Form Factor</b>	3.5" ECX
<b>Processor</b>	Intel Celeron J1900 up to 2.42GHz
<b>System Chipset</b>	SoC
<b>System Memory</b>	1 x SO-DIMM(204pins),up to 8GB DDR3L
<b>BIOS</b>	AMI 8MB Flash

### Display

<b>Controller</b>	Integrated Intel HD Graphics 688/854 MHz
<b>VGA Interface</b>	1 x DB15
<b>TTL/LVDS Interface</b>	1 x 18/24 bit dual channel LVDS for LVDS1
<b>HDMI Interface</b>	1 x HDMI
<b>Resolution</b>	Up to 1920 x 1200 for LVDS (PS8625) Up to 1920 x 1200 for HDMI Up to 1920 x 1200 for CRT

### Mechanical & Environment

<b>Board Size (L x M)</b>	146 mm x 102 mm
<b>Gross Weight</b>	0.4kg
<b>Operating Temperature</b>	-20°C~70°C
<b>Storage Temperature</b>	-40°C~85°C
<b>Humidity</b>	10%~90%, non-condensing, operating
<b>EMI / EMS</b>	Meet CE/FCC Class A

### Expansion

<b>Expansion</b>	2 x mini-PCIe slots (Full size)
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### Power Management

<b>Power Input</b>	DC 12V
<b>Power Connector</b>	1 x 2 Pin power input connector

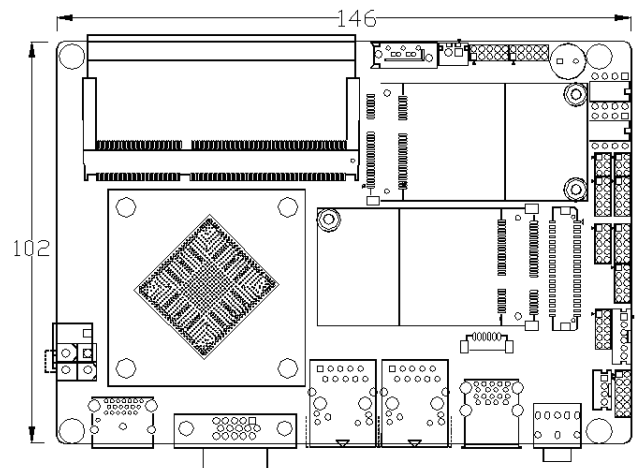
### Ordering Information

<b>SBC-7115-J1900</b>	3.5" SBC, Intel Celeron J1900 SO-DIMM, 18/24 bit LVDS, VGA, HDMI, 2GbE LAN, USB, COM, SATA, mSATA, min PCIe, R0.10
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### I/O

<b>Super I/O</b>	Nuvoton NCT6106D
<b>Ethernet</b>	2 x GbE ports by RJ-45 with intel 82583V controller
<b>USB</b>	2 x USB 3.0 (type A) stack ports 4 x USB 2.0, 2 x 5 Pin header 1 x USB 2.0 for mini PCIe
<b>Serial</b>	2 x RS-232, 2 x 5 Pin header, Pin 9 with 5V/12V/RI (COM1/2) 1 x RS-232, 2 x 5 Pin header, Pin 9 with RI (COM3) 2 x RS-422/485, 2 x 5 Pin header, Pin 9 with RI (COM4/5)
<b>GPIO</b>	8-bit digital I/O for GPIO1 (4 x DI, 4 x DO)
<b>Storage</b>	1 x SATA2 connector 1 x mSATA connector (52Pin) via mini PCIe slot
<b>Audio</b>	1 x Stack audio Jack (Line out) Line in/Line out/Mic by 2 x 6 Pin header 1 x 4 Pin Wafer Connector, Amplifier 2 channel output (SPK1)
<b>SIM Card Holder</b>	1 x SIM Card Holder
<b>CPU FAN</b>	1 x CPU FAN, 1 x 3 Pin Wafer by CPU_FAN1
<b>Bios Battery</b>	1 x 2 Pin header support CR2477 by BAT1(1000mAh)

### Dimension



Industrial Motherboard

Embedded Single Board

Core Module and Baseboard

Accessory