Industrial Computing
Products and Services

Panel PC's

Industrial PC's

SBC's

Industrial Displays

Electronic Design

dsl
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

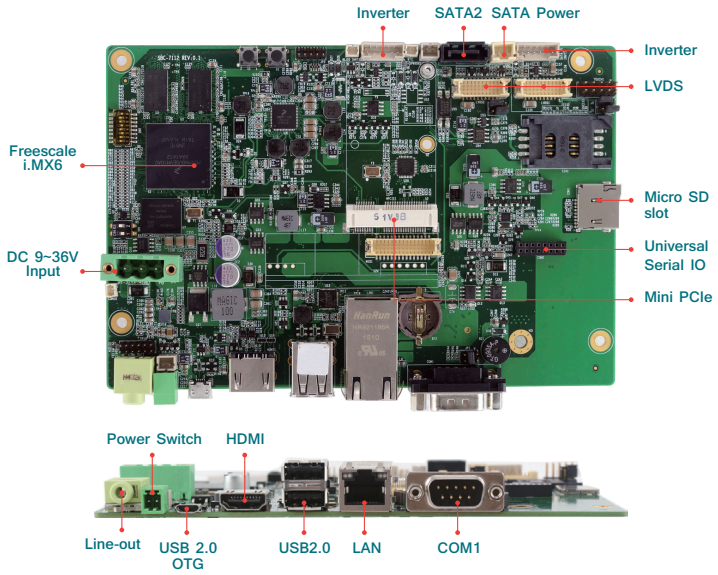
or call us on +44 (0)1462 675530

DSL Ltd. | 4 Aylesford Court, Works Road, Letchworth Garden City, Hertfordshire, SG6 1LP

SBC-7112

EPIC, freescale i.MX6 DUAL LITE 1GHz CPU, 512MB DDR3 4GB EMMC

EPIC



Features

- Freescale ARM Cortex A9 i.MX6 Dual Lite (Quad for Optional) 1.0GHz CPU
- Onboard 1G DDR3 Memory
- On board 4GB eMMC Flash
- 1 x 18/24 bits single channel LVDS, 1 x 24 bits dual channel LVDS
- Wide Range 9~36V DC input

Specifications

System

Form Factor	4" EPIC
Processor	Freescale ARM Cortex A9 i.MX6 Dual Lite (Quad for Optional)1.0 GHz CPU CPU
System Memory	On board 1G DDR3 Memory
Flash	On board 4GB eMMC

Display

LVDS Interface	1x18 bits single channel LVDS with 3.3V/5V on LCD, 5V/12V on Backlight

Mechanical & Environment

Board Size (L x M)	170mm x 113 mm
Gross Weight	0.5kg
Operating Temperature	-20°C~70°C (-4°F~158°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Humidity	10%~90%, non-condensing, operating
EMI / EMS	Meet CE/FCC Class A

Universal Serial IO

Expansion Module	1 x USB2.0, 1 x CAN, 1 x I2C, 1 x UART via CON2 (Module for Option)

Expansion

Expansion	1 x mini PCIe slot

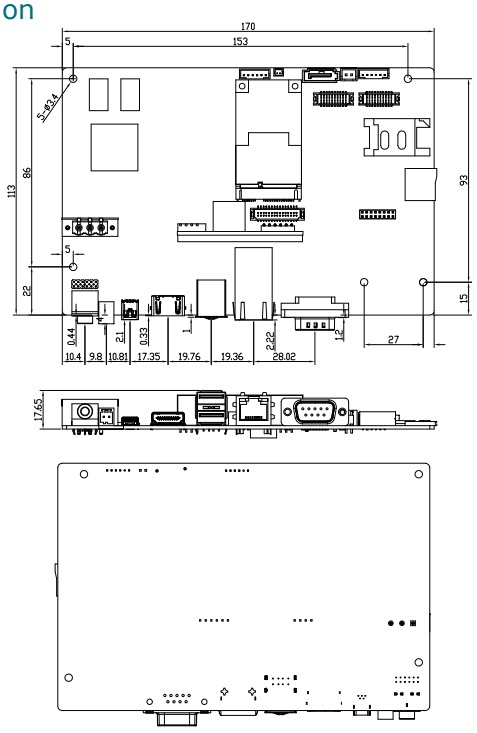
Power Management

Power Input	Wide Range DC 9~36V Input
Power Connector	1 x 3 pin power input connector

Ordering Information

SBC-7112	SBC / Freescale Cortex A9 i.MX6 Dual Lite/ 1G DDR3 / 4GB EMMC/ LVDS /SBC-7112

I/O

Ethernet	1xLAN 10/100/1000M Ports support POE(PD) Module 24W (Module for optional)
USB	2 x USB 2.0 (Type A) stack ports 1 x USB 2.0 OTG 1 x USB 2.0 for MIO 1 x USB 2.0 for CON2
Serial	1 x RS-232/RS-422/RS-485 (COM1), DB-9 connector pin 9 with 5V/12V Ring select
Audio	Line-in, Line-out, MIC in by via 2 x 6-pin header
Battery	1 x 2 pin header support ML1220
Storage	1 x Micro SD Card slot 1 x SATA2 connector (7pin) (Quad Core)
MIO	8 x GPIO, 1 x I2C,1 x USB 2.0, PW LED , Reset, On/Off, 2 x UART (COM3,COM4)

Dimension