EDM2-WIZARD



Main Features

- The official EDM type 2 Evaluation Carrier Board brings you a rich variety of interfaces and options at your fingertips.
- Wide range of jumper selectable audio, video and touch interfaces.
- Optional smart battery pack implementation.









Power 5 VDC	LAN	LVDS	HDMI	PCle x4	SATA 2 nd	LPC	HDA	SPDIF	CANBus	SD	SPI	UART x2	Buttons	RSVD
		LVDS	HDMI	PCle x2	SATA 1 st	USB OTG	USB Host	I ² S 1 st	х2		x2	l ² C x2	+ GPIO	RTC

Specifications

Core S	
Core 5	vstem

System on Module EDM Type 2 compliant

Expansion Expansion Slots

2x mini-PCle + SIM cardslot (for 3G communication) 1x PCle x1 expansion slot (shared with mini-PCle) 1x PCle x4 expansion slot

I/O Interfaces

2x SATA

Connector 1x SD cardslot (SDIO)

1x Gigabit LAN 2x USB 3.0 Host

1x micro USB 3.0 / 2.0 OTG 1x UART (RS-232/422/485)

2x CAN Bus

Header 1x UART (RS-232/422/485)

2x SPI

8x GPIO (shared with buttons)

2x I²C

Manufacturing pins

Video

Connector 2x HDMI

2 channel LVDS 18/24 bit

Audio

Codec Jumper selectable:

Freescale SGTL5000 (I2S), TI TLV320AIC23B (I2S) Realtek ALC892-CG (HDA) 5x 3.5 mm jack Surround audio

5x 3.5 mm jack Surround audio

S/PDIF

Speaker 2W amplified speaker connectors

Touch

Connector

Connector

Controller Jumper selectable:

TSC2046 (4 wire by SPI) TSC2004 (4 wire by I2C) ADS7845 (5 wire by SPI) USB 4/5 wire touch controller

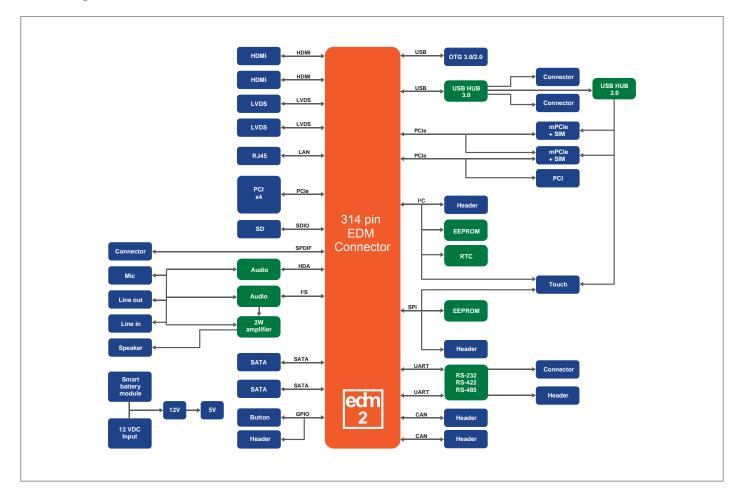
4 wire touchpanel (USB/I2C/SPI) 5 wire touchpanel (USB/SPI)

Power Specifications

Input Power 10~30 VDC

Battery Smart battery connector

Block Diagram



Environmental and Mechanical

Temperature Commercial: 0° to 60° C

Humidity 10 to 90% Module Connector 314 pins MXM3 Form Factor MicroATX Form Factor

Dimensions 244 x 244 mm 95% x 95% inch

 MTBF
 >100,000 hours

 Weight
 380 grams

 Shock
 50G / 25ms

 Vibration
 20G / 0-600 Hz

Ordering Information

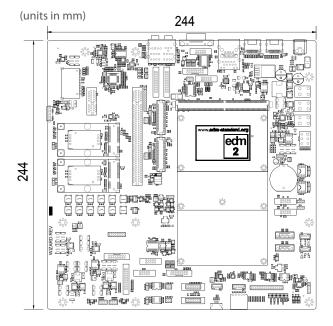
EDM2-WIZARD

MicroATX Form Factor Wizard Carrier Board for EDM Type 2 System on Modules

EDM2-WIZARD-START

MicroATX Form Factor Wizard Carrier Board for EDM Type 2 System on Modules including cablekit and adaptor

Dimensions



^{*} Feel free to contact us for custom tailored Carrier Board request for your projects.