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	PCIe x4	SATA 2nd	LPC	HDA	SPDIF	CANBus x2	SD	SPI x2	UART x2	Buttons + GPIO	RSVD
		LVDS	HDMI	PCIe x2	SATA 1st	USB OTG	USB Host	I²S 1st				I²C x2		RTC

Specifications

Core System

System on Module: EDM Type 2 compliant

Expansion

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

I/O Interfaces

Connector:
2x SATA
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)

Connector:
5x 3.5 mm jack Surround audio
S/PDIF

Speaker: 2W amplified speaker connectors

Touch

Controller: Jumper selectable:
TSC2046 (4 wire by SPI)
TSC2004 (4 wire by I2C)
ADS7845 (5 wire by SPI)
USB 4/5 wire touch controller

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

Power Specifications

Input Power: 10~30 VDC
Battery: Smart battery connector

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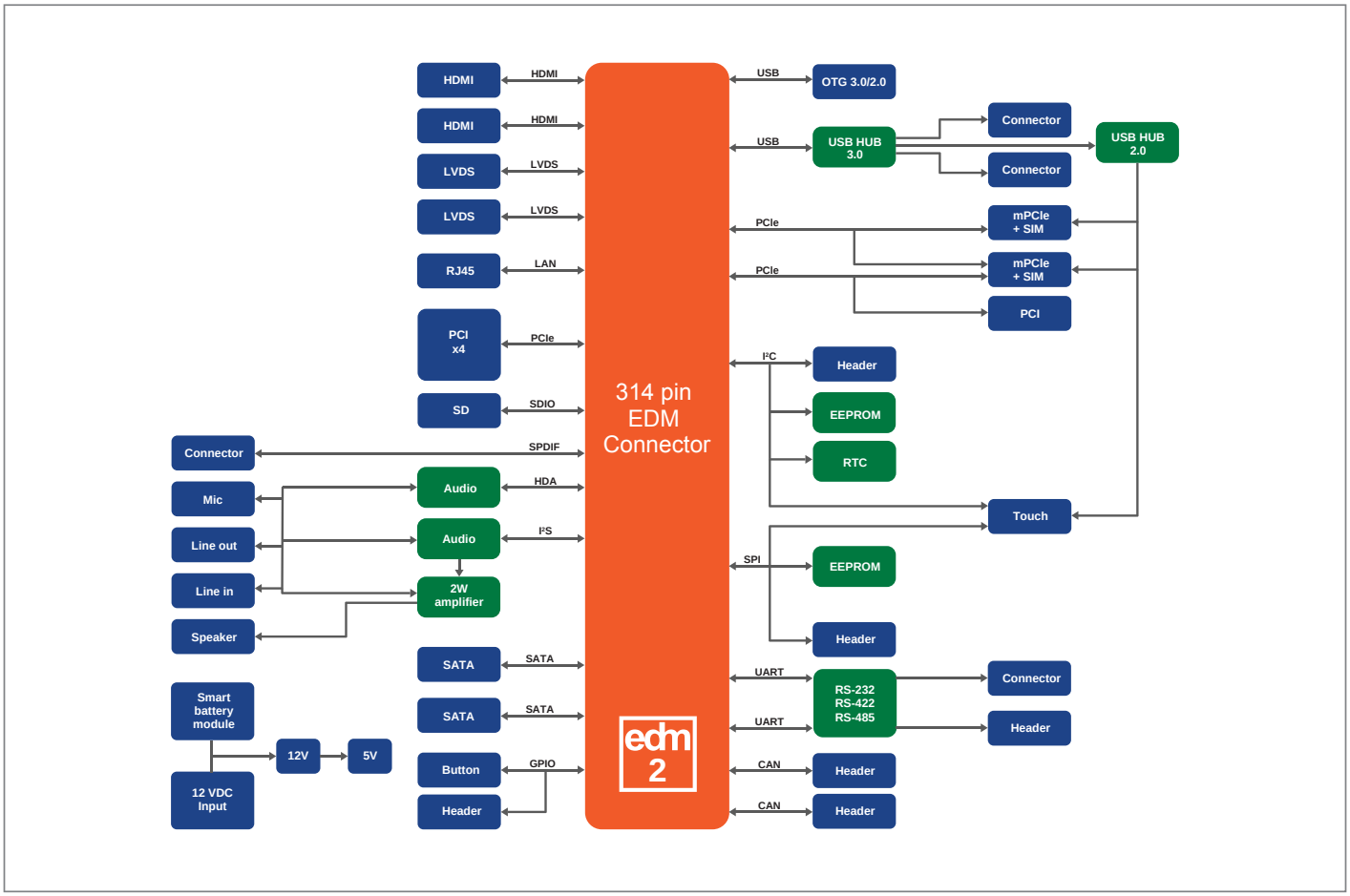
Block Diagram

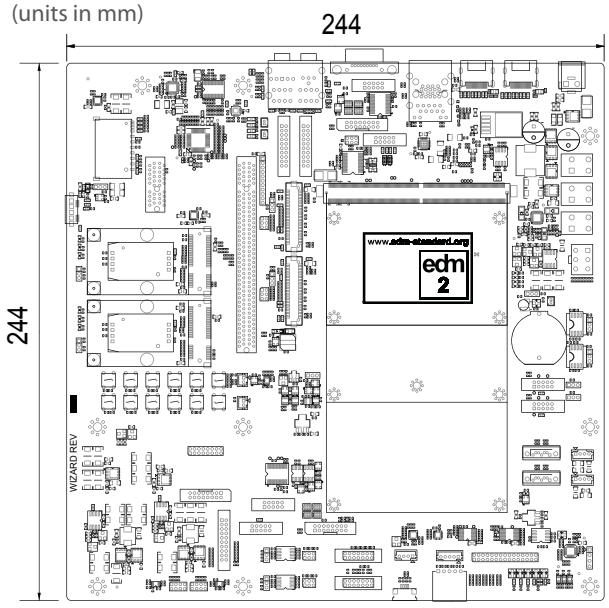


Environmental and Mechanical

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
	9⅝ x 9⅝ inch
MTBF	>100,000 hours
Weight	380 grams
Shock	50G / 25ms
Vibration	20G / 0-600 Hz

Dimensions

(units in mm)



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

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

2015-05. All specifications are subject to change without notice.

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