Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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
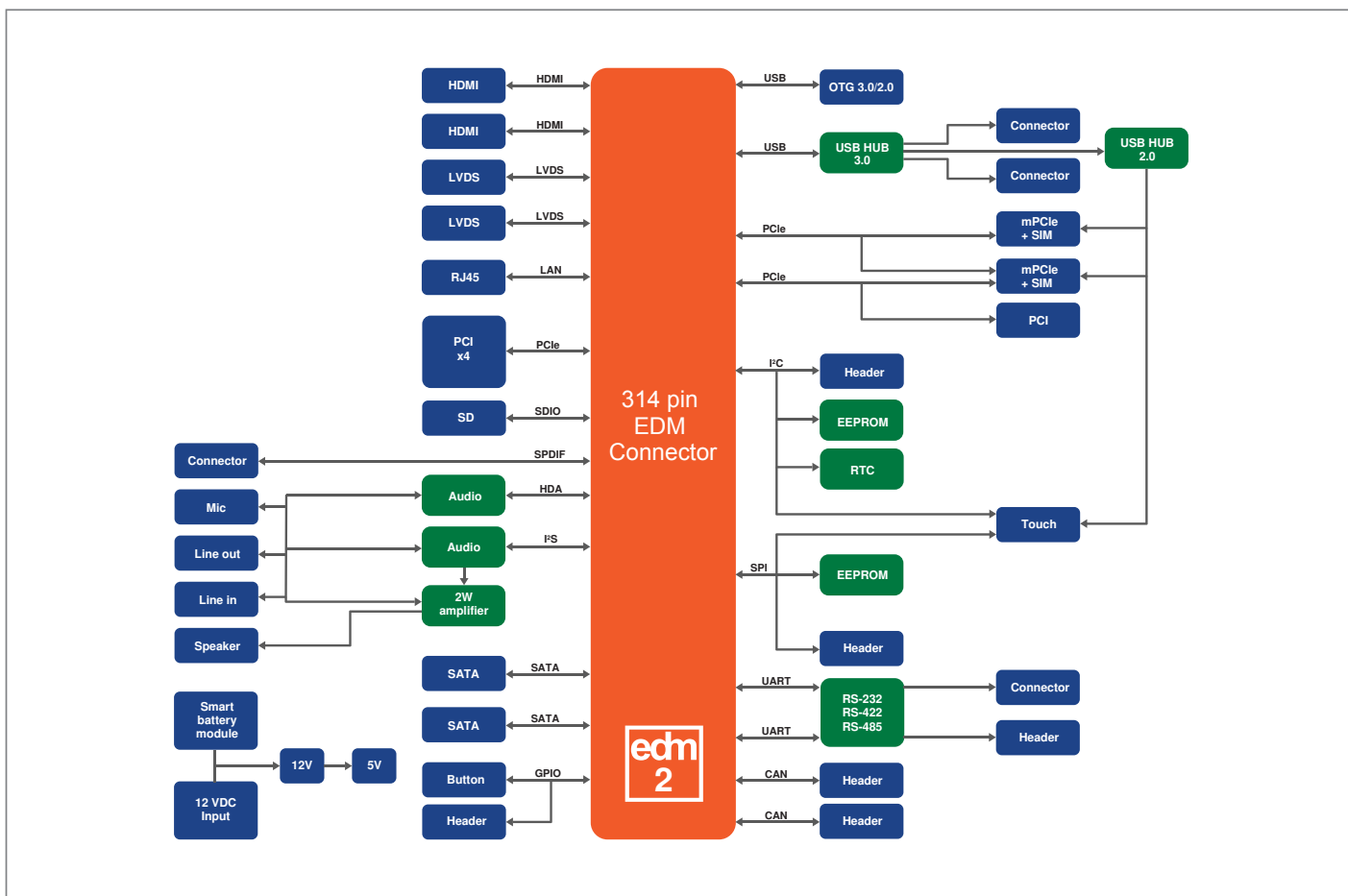S/PDIF

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

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)

244

244

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.