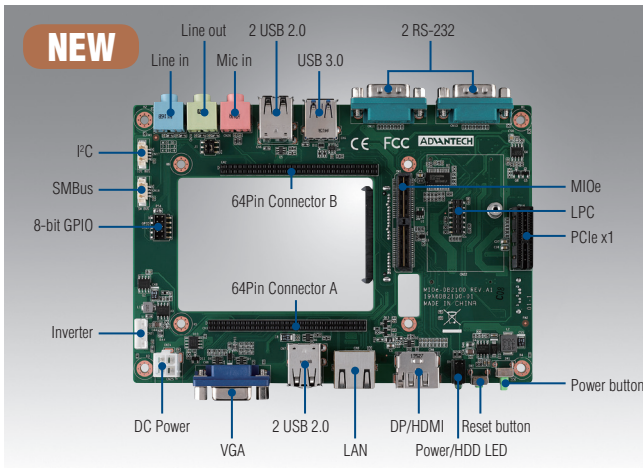


MIOe-DB2100

Evaluation Board for MIO-3260



CE FCC

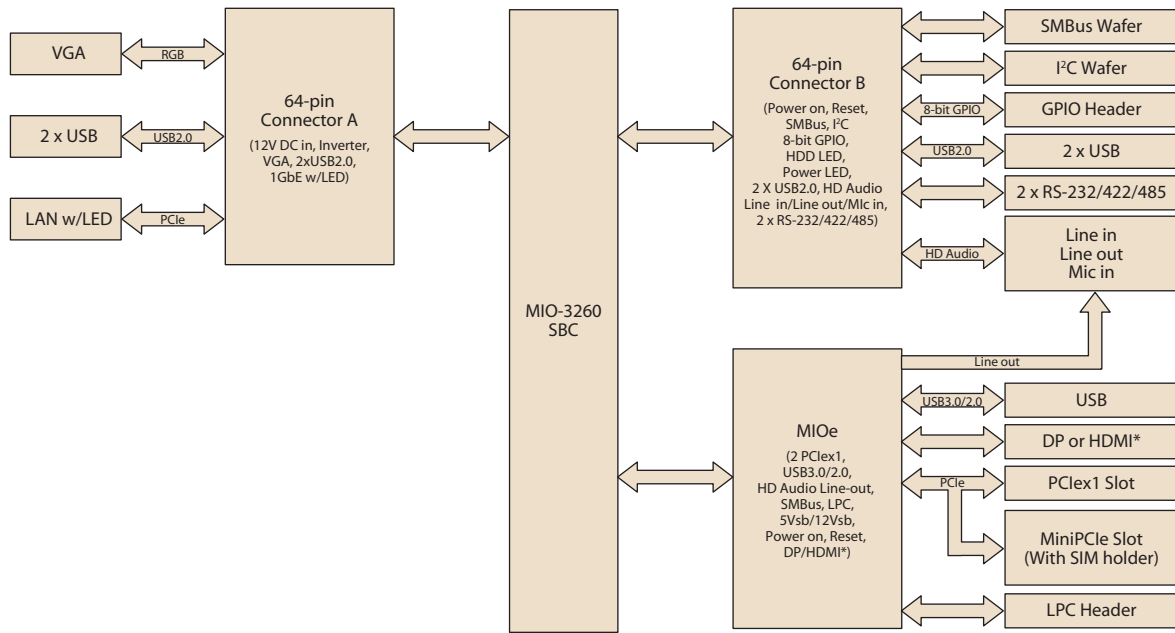
Features

- Complete and flexible interface for verification
- Expedite customer's carrier board development
- All circuit design follows MI/O extension design guide
- Uses standard EPIC form factor
- Interface: 1 x DP, 1 x PCIe, 1 x miniPCIe, 1 x SIM holder, 1 x USB3.0, 4 x USB 2.0, 1 x LPC, 1 x SMBus, 1 x I²C, 1 x HD Audio Line in, 1 x HD Audio Line out, 1 x HD Audio Mic in, 1 x SATA with power, 8-bit GPIO, PWR/HDD LED, PWR/Reset Button, Inverter, +12V Power in

Specifications

Form Factor		EPIC
Compatible Models		MIO-3260
Display	VGA	1
	DP/HDMI	1 DP or HDMI (HDMI supported by request)
Storage	SATA with Power	1 (connect to 2.5" HDD)
Rear I/O	Ethernet	1 x RJ45
	VGA	1
	DP/HDMI	1 (HDMI supported by request)
	USB	1 x USB3.0, 4 x USB2.0
	LED	Power, HDD
	Power Button	1
	Reset Button	1
	HD Audio	Line in, Line out, Mic in
	Serial	2 x RS-232/422/485 (ESD protection for RS-232: Air gap ±15kV, Contact ±8kV)
DC Power Jack	1 (default 2x2pin power connector, DC jack supported by request)	
Internal I/O	I ² C	1
	SMBus	1
	Inverter	1
	GPIO	8-bit general purpose input/output
	LPC	1
Expansion	PCIe x1 slot	1
	Mini PCI Express	1 (Full-size)
	SIM card Holder	1
	MIOe connector	1
	64-pin Connector	2
Power	Independent Power voltage	Single +12V DC in
Environment	Operation	0 ~ 60° C (32 ~ 140° F) (Operational humidity: 40° C @ 95% RH Non-Condensing)
	Non-Operational	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing
Mechanical	Dimensions (L x W)	115 x 165 mm (4.5" x 6.5")
	Weight	0.26 kg (0.57 lb), weight of total package

Block Diagram



*Supported by request

Ordering Information

Part No.	DP/HDMI	VGA	GbE	PCIe x1	RS-232/422/485	Full-size Mini PCIe	SIM holder	SATA II	LPC	SMBus	I ² C	USB 2.0	USB 3.0	Audio	MIOe	Power Conn.
MIOe-DB2100-00A1E	1*	1	1	1	2	1	1	1	1	1	1	4	1	Yes	Yes	2x2 pin*

* HDMI and DC jack supported by request

Packing List

Part No.	Description	Quantity
MIOe-DB2100-00A1E	Evaluation Board for MIO-3260	1

Optional Accessories

Part No.	Description
MIO-3260L-S3A1E	MIO-3260 E3825/64-pin SBC
MIO-3260L-S8A1E	MIO-3260 N2930/64-pin SBC
MIO-3260C-S8A1E	MIO-3260 N2930/Box Wafer SBC

Rear I/O View

