

Datasheet

MIOe-DB2100

Advantech

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, Great Britain and the USA. For more information please contact:

FORTEC Elektronik AG

Hauptniederlassung
Lechwiesenstr. 9
86899 Landsberg am Lech

Telefon: +49 (0) 8191 91172-0
Telefax: +49 (0) 8191 21770
E-Mail: sales@fortecag.de
Internet: www.fortecag.de

FORTEC Elektronik AG

Büro West
Hohenstaufenring 55
50674 Köln

Telefon: +49 (0) 221 272 273-0
Telefax: +49 (0) 221 272 273-10
E-Mail: west@fortecag.de
Internet: www.fortecag.de

FORTEC Elektronik AG

Büro Wien
Nuschinggasse 12
A-1230 Wien

Telefon: +43 1 8673492-0
Telefax: +43 1 8673492-26
E-Mail: office@fortec.at
Internet: www.fortec.at

ALTRAC AG

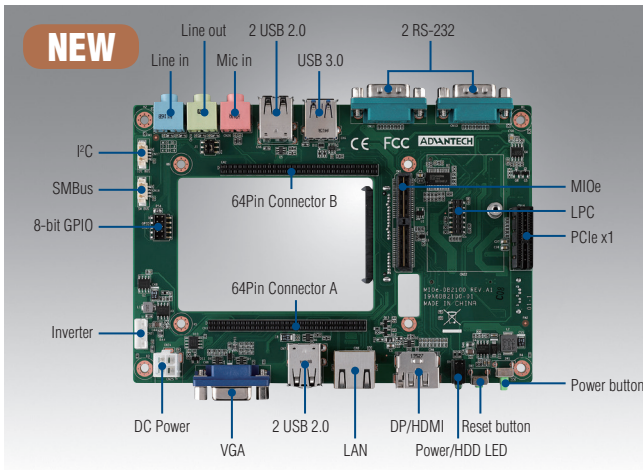
(Tochter der FORTEC):
Bahnhofstraße 3
CH-5436 Würenlos

Telefon: +41 (0) 44 7446111
Telefax: +41 (0) 44 7446161
E-Mail: info@altrac.ch
Internet: www.altrac.ch

The information contained in this document has been carefully researched and is, to the best of our knowledge, accurate. However, we assume no liability for any product failures or damages, immediate or consequential, resulting from the use of the information provided herein. Our products are not intended for use in systems in which failures of product could result in personal injury. All trademarks mentioned herein are property of their respective owners. All specifications are subject to change without notice.

MIOe-DB2100

Evaluation Board for MIO-3260



CE FCC

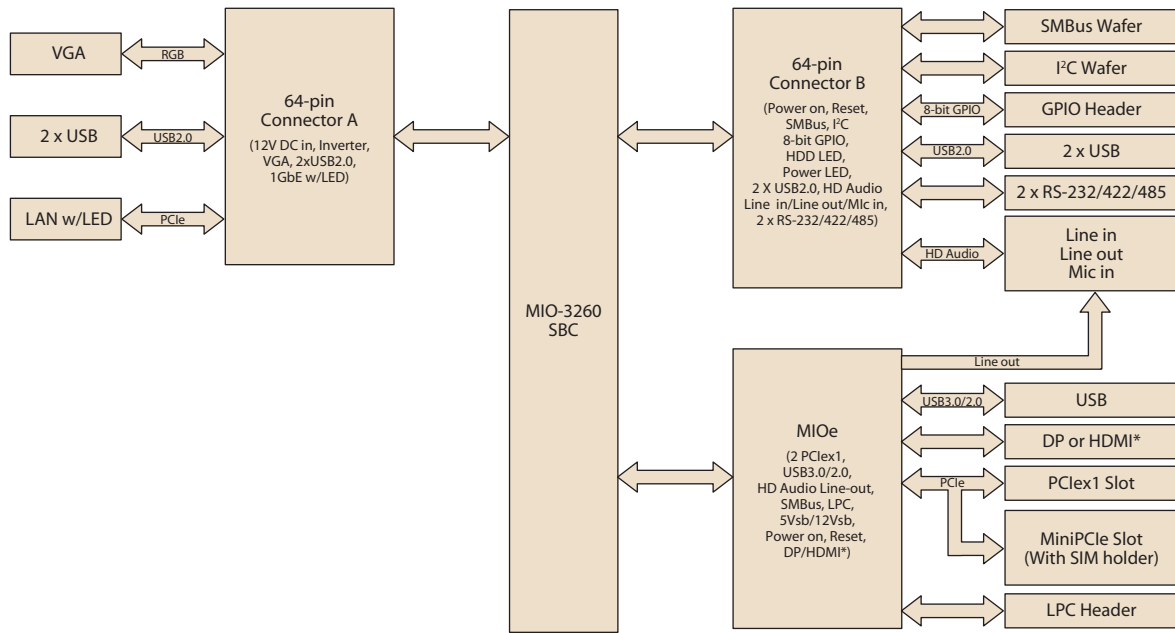
Features

- 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



FORTEC

ELEKTRONIK AG

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, Great Britain and the USA. For more information please contact:

FORTEC Elektronik AG

Hauptniederlassung
Lechwiesenstr. 9
86899 Landsberg am Lech

Telefon: +49 (0) 8191 91172-0
Telefax: +49 (0) 8191 21770
E-Mail: sales@fortecag.de
Internet: www.fortecag.de

FORTEC Elektronik AG

Büro West
Hohenstaufenring 55
50674 Köln

Telefon: +49 (0) 221 272 273-0
Telefax: +49 (0) 221 272 273-10
E-Mail: west@fortecag.de
Internet: www.fortecag.de

FORTEC Elektronik AG

Büro Wien
Nuschinggasse 12
A-1230 Wien

Telefon: +43 1 8673492-0
Telefax: +43 1 8673492-26
E-Mail: office@fortec.at
Internet: www.fortec.at

ALTRAC AG

(Tochter der Fortec AG):
Bahnhofstraße 3
CH-5436 Würenlos

Telefon: +41 (0) 44 7446111
Telefax: +41 (0) 44 7446161
E-Mail: info@altrac.ch
Internet: www.altrac.ch

Members of the FORTEC Group:

