

MIOe-MIPI

MIPI-CSI Input Module Card, for AFE-R360 series

NEW



Features

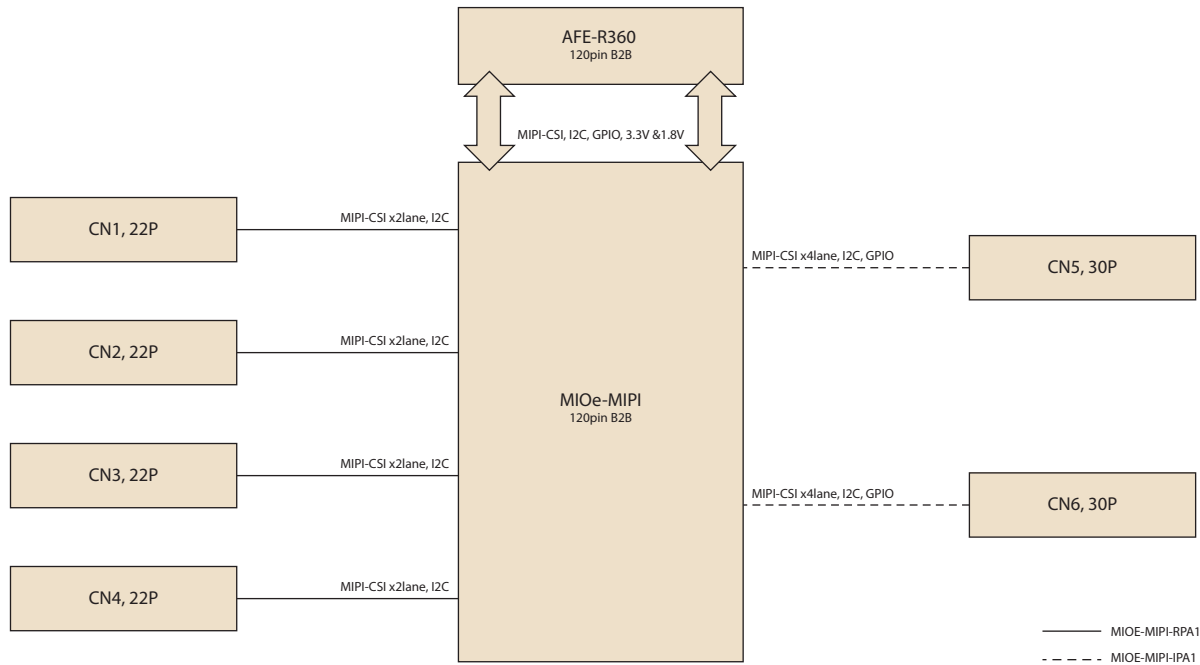
- MIPI-CSI Input Module Card
- Support 4x MIPI-CSI 2lane through 22pin FPC conn. type
- Support 2x MIPI-CSI 4lane through IPEX 30pin conn. type
- Compatible with AFE-R360

Specifications

Product		MIOE-MIPI-RPA1	MIOE-MIPI-IPA1
Interface		Samtec 120pin B2B connector	
Power	DC input	Through MB	Through MB
Camera	Interface	MIPI-CSI	MIPI-CSI
	Connector	4x 22pin FPC	2x 30pin IPEX
	MIPI lane	4x 2 lane	2x 4lane
	Data pin	I2C	I2C, GPIO
	Output Voltage	1.8V	3.3V
	Cable support length	15cm	30cm
Environment	Operating Temperature	0 ~ 60 °C (32 ~ 140 °F)	
	Operating Humidity	40°C @ 95% relative humidity, non-condensing	
	Storage	60 °C @ 95%relative humidity, non-condensing	
	Vibration Resistance	3.5 Grms	
	Certification	CE, FCC Class B	
Mechanical	Dimensions	55 x 95 mm	
	Net weight	30g	
Compatibility	Board	AFE-R360 series	
	Camera Module	Innodisk: EV2M-00M1, EV2M-GOM1	e-con: e-CAM25_CUR360, e-CAM81_CUR360
	OS environment	Ubuntu 22.04*	Ubuntu 22.04*

*camera driver provided under Ubuntu OS

Block Diagram



Ordering Information

Part No.	Description	MIPI-CSI Input	Interface	Cable
MIOE-MIPI-RPA1	MIOe-MIPI Module, 4x MIPI 22P	4	FPC 22pin	15cm
MIOE-MIPI-IPA1	MIOe-MIPI Module, 2x IPEX 30P	2	IPEX 30pin	30cm

Development Kit Ordering Information

Part No.	Description	AFE-R360	MIOe-MIPI	Memory	Storage	Camera	Image
AFE-R360DVK-M01	AFE-R360, 125H, 4x MIPI (2MP) development kit	AFE-R360C5P-Q5A1	MIOE-MIPI-RPA1	16GB	128GB	4x EV2M-00M1 (innodisk)	22.04 (kernel 6.6.30)
AFE-R360DVK-M02	AFE-R360, 125H, 2x MIPI (8MP) development kit	AFE-R360C5P-Q5A1	MIOE-MIPI-IPA1	16GB	128GB	2x e-CAM81_CUR360 (e-con)	22.04