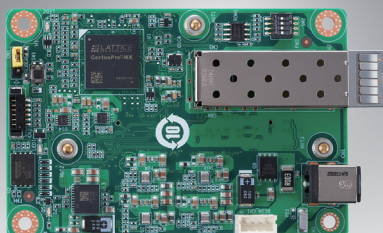


MIC-FG-HSB

The Sensor-over-Ethernet converter board powered by FPGA



Features

- Support MIPI camera and GMSL camera
- Supports up to 4K, 30FPS camera
- Ultra-Low Latency Real-Time Data Processing
- Direct Sensor Data Streaming to GPU Memory
- V4l2, Gstreamer, Python support on Linux

Specifications

Process	Main Chip	LFCPNX-100-9CBG256C FPGA
I/O	Ethernet	1 x 10 Gigabit Ethernet SFP+
Expansion	BtB connector	120pin BtB connector for MIPI / GMSL board
Power	Power Supply	Power input: 12V
	Power Type	DC jack / internal pin header
Environment	Operational Temperature	-10 ~ 60 °C with 0.7 m/s air flow
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical	Dimensions (W x D x H)	60 x 90mm
	Weight	0.5kg
Tool kit		Holoscan SDK
Supported Platforms		Jetson Thor platform (MIC-743, MIC-742, MIC-741, MIC-735, etc.)

Ordering information

Part Number	Description
MIC-FG-HSBA1	the Holoscan Sensor Bridge main board with FPGA

Optional

Category	Part Number	Description	Quantity
Adapter	96PSA-A84W12V1-4	A/D 100-240V 84W 12V C6 DC jack	1
Power cord	1700001524	Power Cord UL 3P 10A 125V 183 cm (US)	1
	170203183C	Power Cord EU 3P 2.5A 250V 183 cm (EU)	1
	1700019146	Power Cord CCC 3P 2.5A 250V 183 cm (China)	1
	1700008921-11	Power Cord PSE 3P 7A 125V 183 cm (Japan)	1
Pair with GMSL camera	MIC-FG-8G2C1	8CH GMSL2 frame grabber with mini FAKRA	1
	1751000758-01	RF Cable MINI FAKRA B-Z/F FAKRA-Z/M 1x4 BLK L300	2
	1751000805-01	RF Cable FAKRA-Z/F FAKRA-Z/F KS302 BLK L15M	by camera quantity
	1700026907-01	Cable 1x4P-2.0/1x4P-2.0 10CM (Internal power cable for GMSL)	1
Pair with MIPI camera	MIC-FG-4MPC1	4ch MIPI camera converter board	1
Cables	1700036551-01	Cable SFP28 20P(M)/SFP28 20P(M) 288.4CM 25G (for MIC-741, MIC-735)	1
	1700036948-01	Cable QSFP28 38P/SFP28 20Px4 100cm 4x25G DAC (for MIC-742, MIC-743)	1