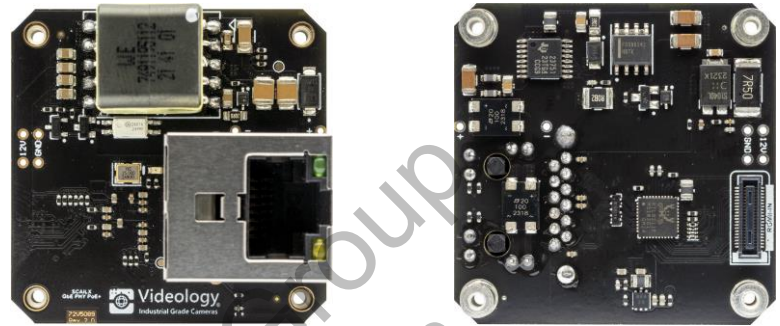


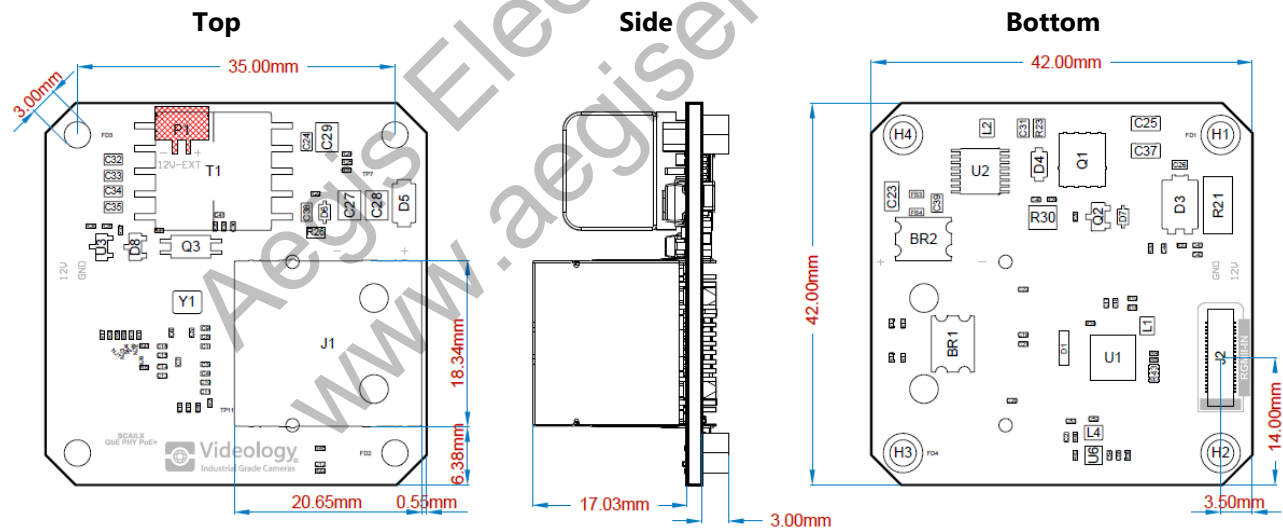
i.MX8M Plus Edge AI modular platform
Ethernet interface board with PoE

Product Features

- Ethernet LAN:
 - 10/100/1000 Mbps
 - Auto negotiation
 - Auto MDI-X
- RGMII interface to SCAILX-SOM-AI module via FlexPCB
- PoE version:
 - SCAILX-ETH-POE
 - Class 4 Type 2 IEEE 802.3at
 - 42.5-57 V in
- 42x42 mm /w tapped 3 mm spacers ISO M2



Dimensions and Connectors



red not populated components



i.MX8M Plus Edge AI modular platform Ethernet interface board with PoE

Technical specifications

RGMII (DF40C-40DS-0.4V(51))

01	TX_CTL	02	GND
03	TXC (O)	04	MDC (I)
05	GND	06	MDIO (I/O)
07	TD0 (O)	08	GND
09	TD1 (O)	10	INT
11	GND	12	CLK125
13	TD2 (O)	14	GND
15	TD3 (O)	16	RST (I)
17	+5V_ETH ¹	18	+5V_ETH ¹
19	12V_PWR_OUT	20	12V_PWR_OUT
21	12V_PWR_OUT	22	12V_PWR_OUT
23	+5V_ETH ¹	24	+5V_ETH ¹
25	Reserved	26	RX_CTL
27	GND	28	RXC (I)
29	Reserved	30	GND
31	Reserved	32	RD3 (I)
33	GND	34	RD2 (I)
35	Reserved	36	GND
37	Reserved	38	RD1 (I)
39	GND	40	RD0 (I)

¹: power in from SOM board

Electrical SCAILX-ETH-POE

Supply Voltage	42.5-57 V
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Environmental

Operating Temp.	-20 °C ~ 60 °C (-4 °F ~ 140 °F)
Storage Temp.	-40 °C ~ 85 °C (-22 °F ~ 185 °F)
Operating Humidity	30% ~ 90% RH
Storage Humidity	<85% RH

Mechanical

Dimensions WxLxH	42x42x17 (top side) mm - 3 mm spacer on bottom side
Weight	23 g
Connectors	RGMII - DF40C-40DS-0.4V(51)

Accessories (optional)

SCAILX-FLEX-60	FlexPCB DF40C-40 male-female 60 mm
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Accessories (optional)

SCAILX-FLEX-ETH	FlexPCB DF40C-40 male-female
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Part numbering

SCAILX-ETH-POE	Ethernet board with Power-over-Ethernet
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