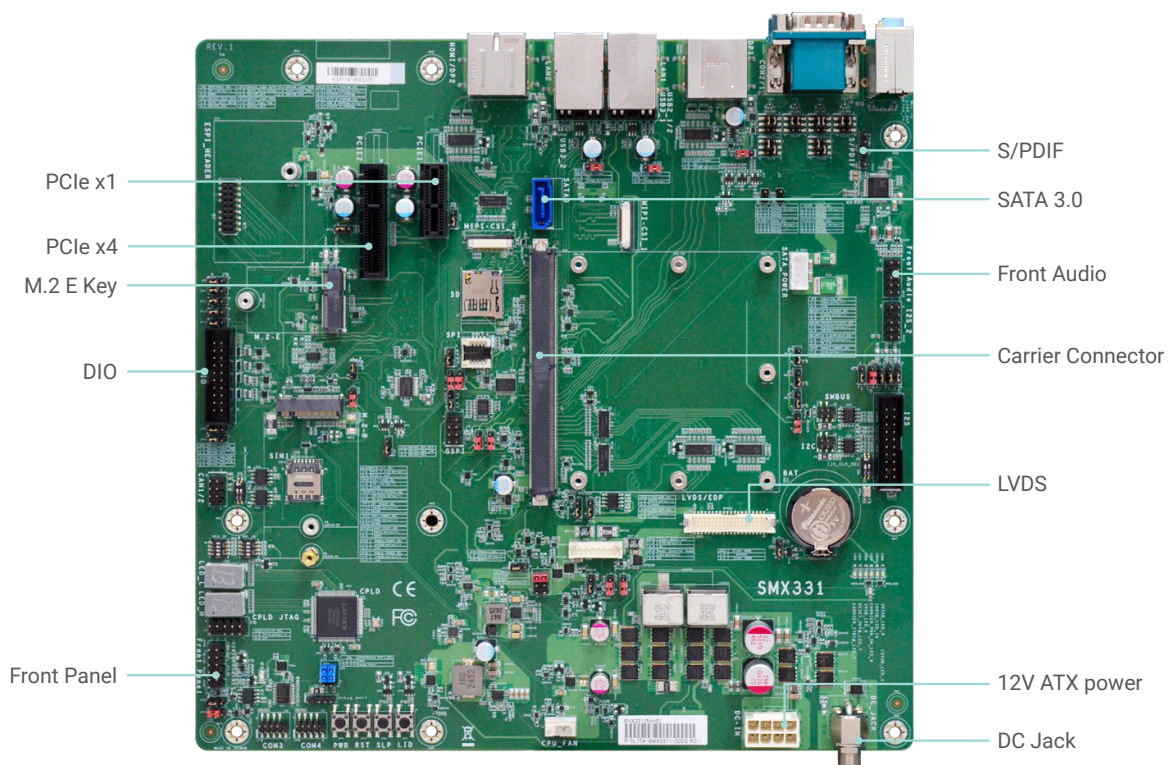
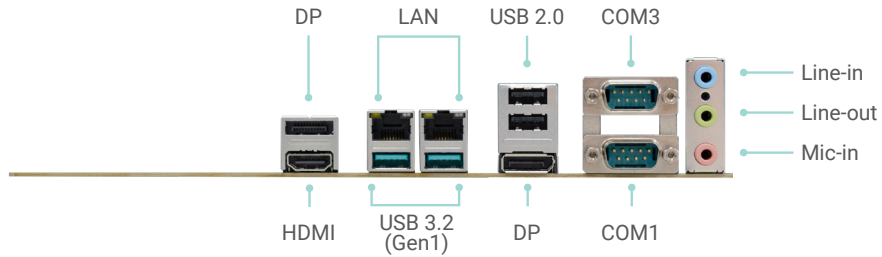


# SMX331

SMARC® Carrier Board  
microATX form factor

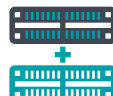


## KEY FEATURES



### Multiple Displays

HDMI, LVDS, DP, eDP



### Multiple Expansion

1 PCIe x4, 1 PCex1,  
1 M.2 E Key 2230



### Rich I/O

2 2.5 GbE,  
2 USB 3.2 (Gen1),  
2 USB 2.0

## SPECIFICATION

GRAPHICS	Display	1 x HDMI 1 x LVDS/eDP (eDP available upon request) 2 x DP
EXPANSION	Interface	1 x PCIe x4 1 x PCIe x1 1 x M.2 E Key 2230 1 x M.2 B Key 3042/3052
AUDIO	Audio Codec	Realtek ALC888S-VD2-GR
I/O	Ethernet	2 x 2.5GbE (RJ-45)
	USB	2 x USB 3.2 (Gen1) 2 x USB 2.0
	Display	2 x DP
	Audio	1 x Line-in 1 x Line-out 1 x Mic-in
	Serial	2 x RS232
INTERNAL I/O	Serial	1 x Serial Interface Connector (TX/RX)
	Display	1 x eDP/LVDS LCD Connector 1 x LCD/Inverter Power
	Audio	1 x Audio (Line-out/Mic-in) 1 x S/PDIF
	SATA	4 x SATA 3.0 (up to 6Gb/s)
	DIO	1 x 14-bit DIO
	eSPI	1 x eSPI
	I2C	1 x I2C
	SMBus	1 x SMBus
	MIPI-CSI	1 x 4-lanes MIPI-CSI + 1 x 2-lanes MIPI-CSI
	CAN	2 x CAN bus
POWER	Type	1 x 8-pin ATX power connector (12V DC_In) 8.5V-20V DC-in jack
	Connector	1 x 8-pin ATX power connector 1 x DC-in jack
	RTC Battery	CR2032 Coin Cell
ENVIRONMENT	Temperature	<b>Operating:</b> 0 to 60°C or -40 to 85°C <b>Storage:</b> -40 to 85°C
	Humidity	<b>Operating:</b> 5 to 90% RH <b>Storage:</b> 5 to 90% RH
	MTBF	TBD
MECHANICAL	Dimensions	microATX Form Factor 244mm (9.6") x 244mm (9.6")
	Compliance	SMARC V2.2
CERTIFICATIONS	Certifications	CE, FCC, RoHS

## ORDERING INFORMATION

Model Name	Part Number	2.5GbE	USB 3.2	USB 2.0	Power	Thermal	Temp.
SMX331	770-SMX3311-000G	2	3	2	ATX/AT	NA	-40 to 85°C

## PACKING LIST

• 1 COM335 board
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