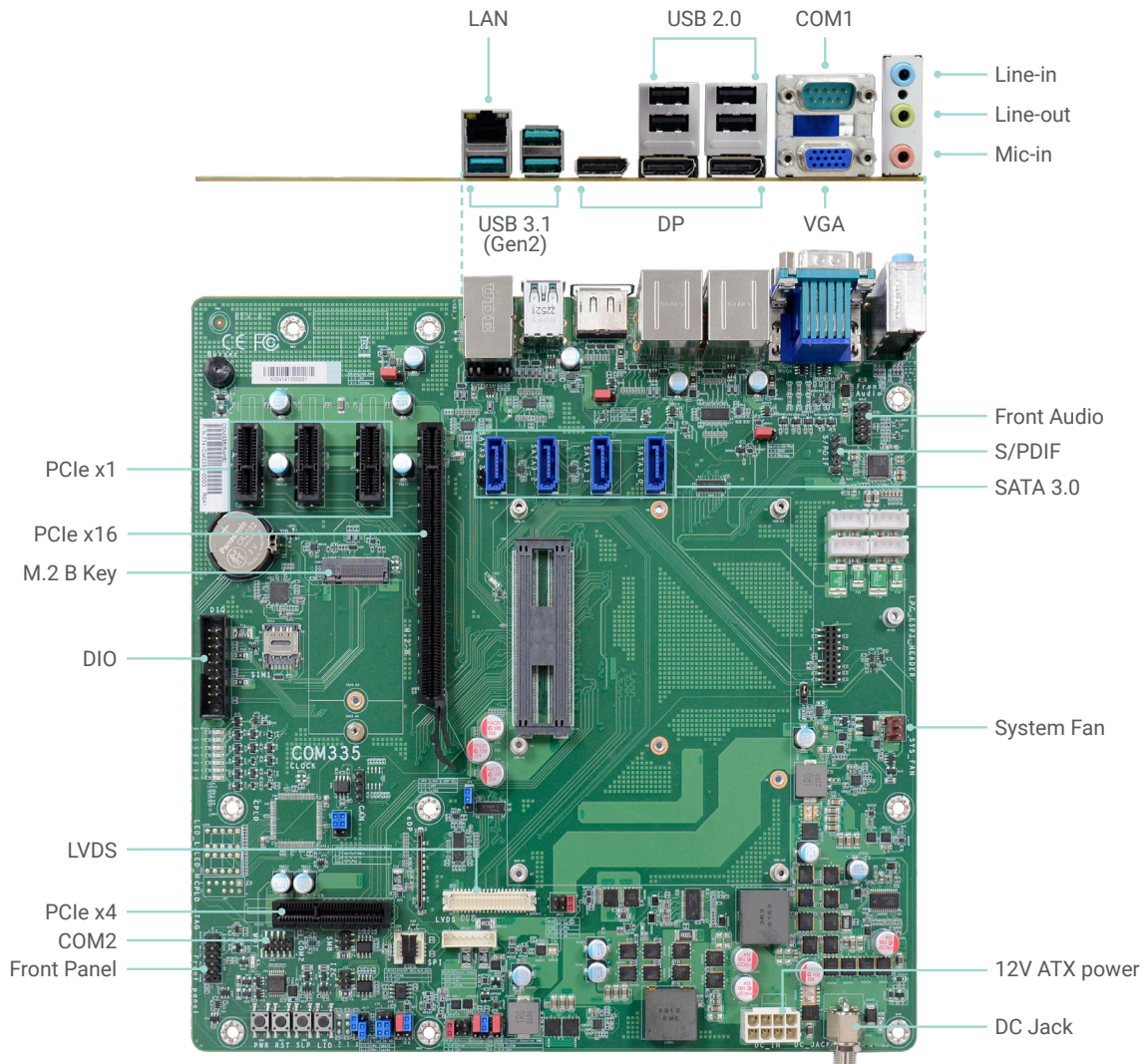


COM335

COM Express® Carrier Board
microATX form factor

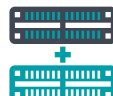


KEY FEATURES



Multiple Displays

VGA, LVDS, DP, eDP



Multiple Expansion

1 PCIe x16,
1 PCIe x4, 3 PCex1,
1 M.2 B Key 3042/3052

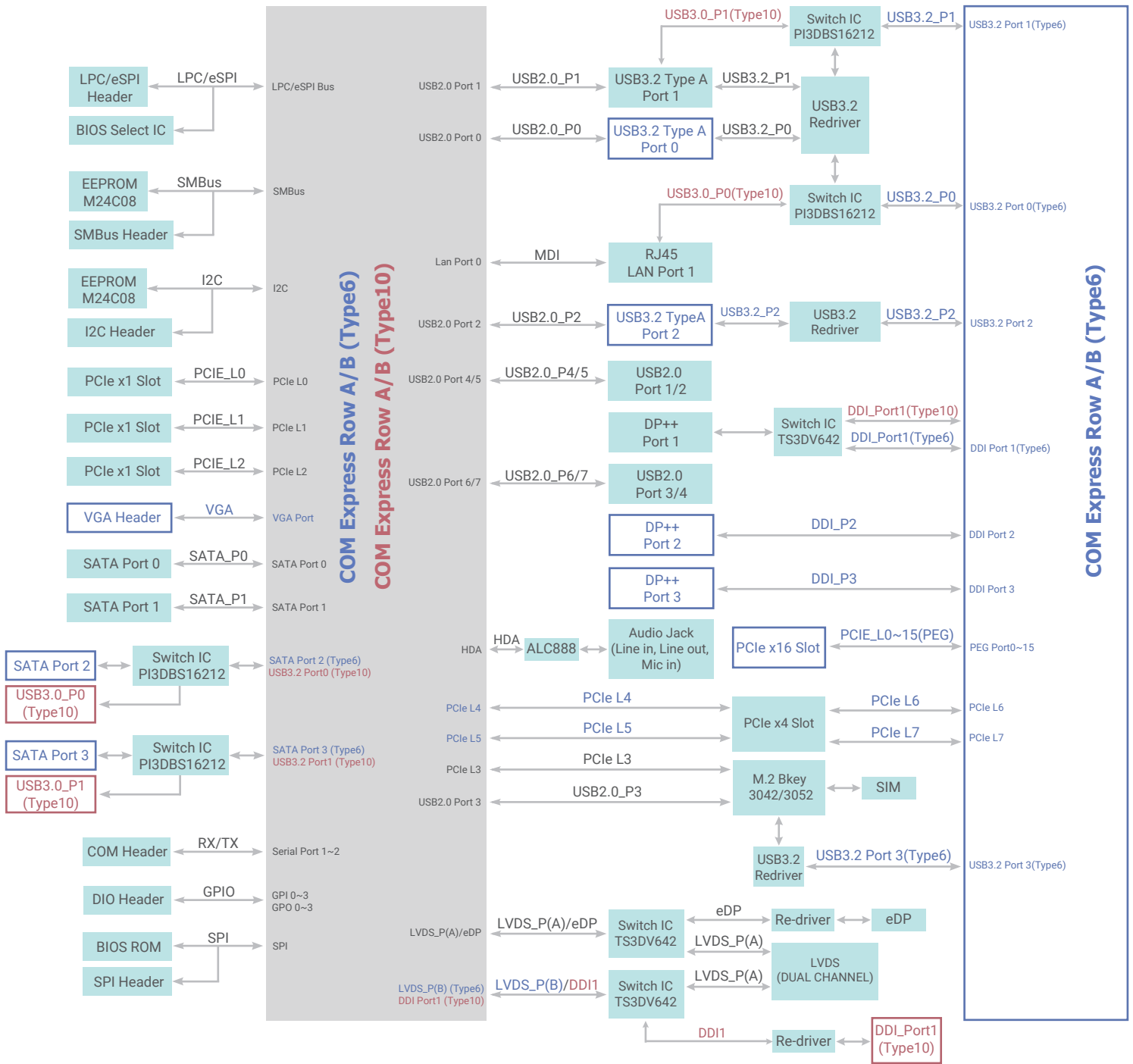


Rich I/O

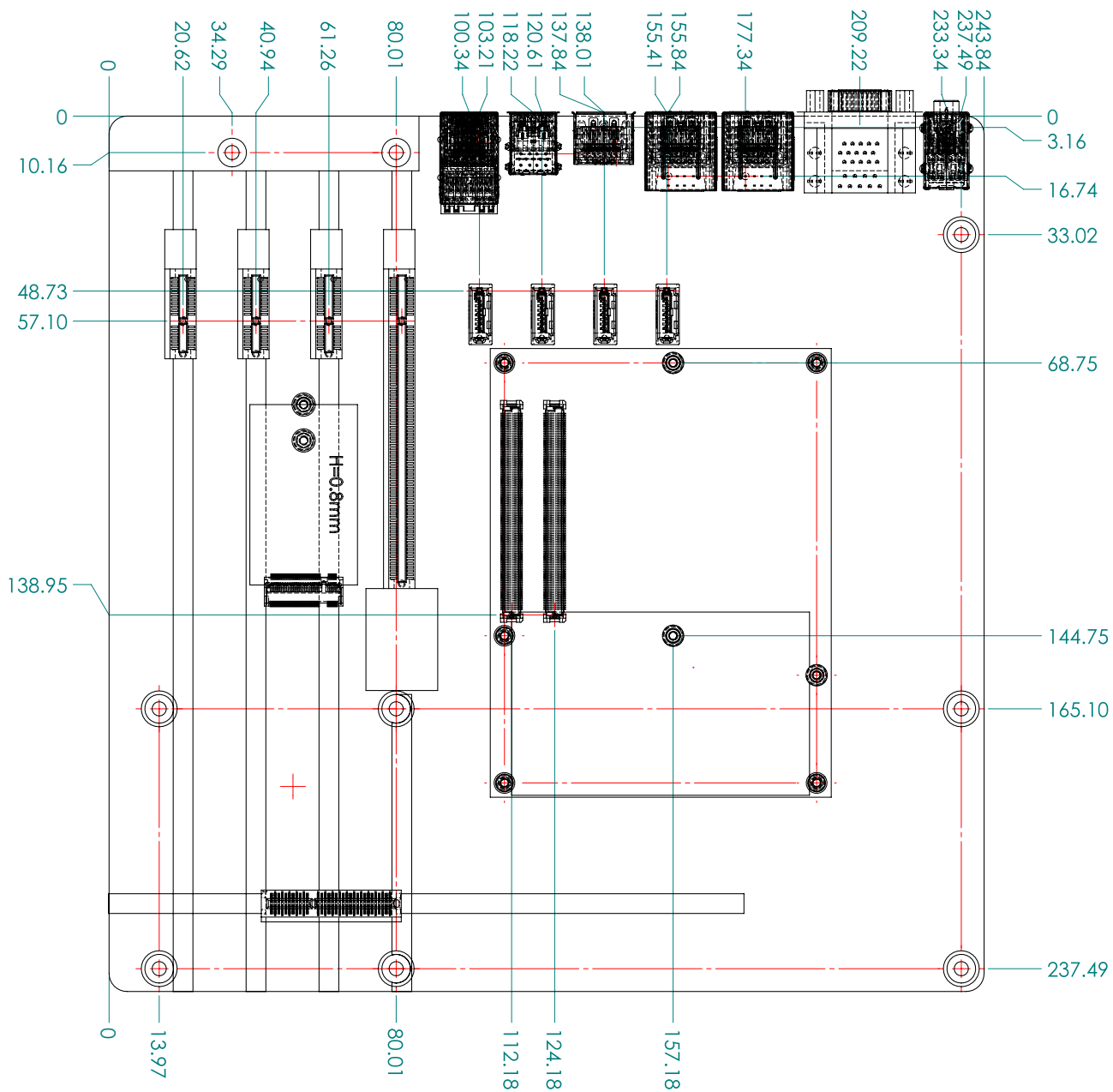
1 GbE,
3 USB 3.1 (Gen 2),
4 USB 2.0

BLOCK DIAGRAM

Type 6/10 Both =
 Type 10 only =
 Type 6 only =



MECHANICAL DRAWING



SPECIFICATION

GRAPHICS	Display	1 x VGA 1 x LVDS/eDP (eDP available upon request) 3 x DP 1 x eDP/LVDS (LVDS available upon request)	
EXPANSION	Interface	1 x PCIe x16 1 x PCIe x4 3 x PCIe x1 1 x M.2 B Key 3042/3052 1 x SDIO	
AUDIO	Audio Codec	Realtek ALC888S-VD2-GR	
I/O	Ethernet	1 x GbE (RJ-45)	
	USB	3 x USB 3.1 (Gen 2) 4 x USB 2.0	
	Display	3 x DP	
	Audio	1 x Line-in 1 x Line-out 1 x Mic-in	
INTERNAL I/O	Serial	1 x Serial Interface Connector (TX/RX)	
	Display	1 x VGA (2.54mm) 1 x LVDS LCD Panel Connector 1 x LCD/Inverter Power 1 x eDP LCD Panel Connector	
	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 8-bit DIO	
	LPC	1 x LPC	
	SMBus	1 x SMBus	
	POWER	Type	12V, 5VSB, VCC_RTC (ATX mode)
Connector		4-pin ATX 12V power	24-pin ATX power
RTC Battery		CR2032 Coin Cell	
ENVIRONMENT	Temperature	Operating: 0 to 60°C	Storage: -40 to 85°C
	Humidity	Operating: 5 to 90% RH	Storage: 5 to 90% RH
	MTBF	495,767 hrs @ 25C; 284,320 hrs @ 45C; 181,227 hrs @ 60C; 133,598 hrs @ 70C; 84,828 hrs @ 85C Calculation Model: Telcordia Issue 2, Method Case 3 Environment: GB, GC – Ground Benign, Controlled	
MECHANICAL	Dimensions	microATX Form Factor	244mm (9.6") x 244mm (9.6")
	Compliance	PICMG COM Express® R3.1, Type 6 & Type 10	Compact, Mini Module
CERTIFICATIONS	Certifications	CE, FCC, RoHS	

ORDERING INFORMATION

Model Name	Part Number	GbE	USB 3.1	USB 2.0	Power	Thermal	Temp.
COM335	770-COM3351-000G	1	3	4	ATX/AT	Active	0 to 60°C

PACKING LIST

• 1 COM335 board	
• 1 Serial ATA data cable (Length: 500mm)	332-553001-005G

OPTIONAL ITEMS

• Serial ATA data cable (Length: 500mm)	332-553001-005G
• LPC EXT-RS232 module (4 x RS232 ports)	770-EXTRS1-000G
• LPC EXT-RS485 module (4 x RS485 ports)	770-EXTRS1-100G
• I/O shield	A49-COM332-010G