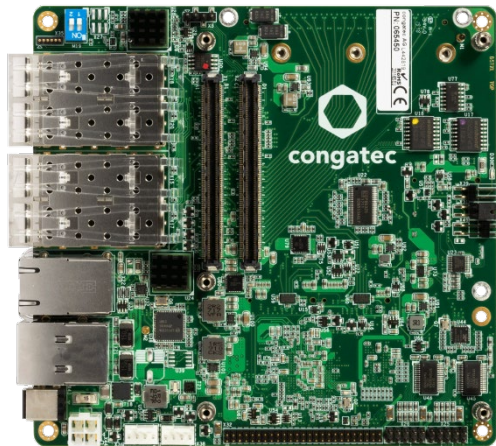


COM EXPRESS TYPE 7 CARRIER BOARD

conga-STX7/carrier

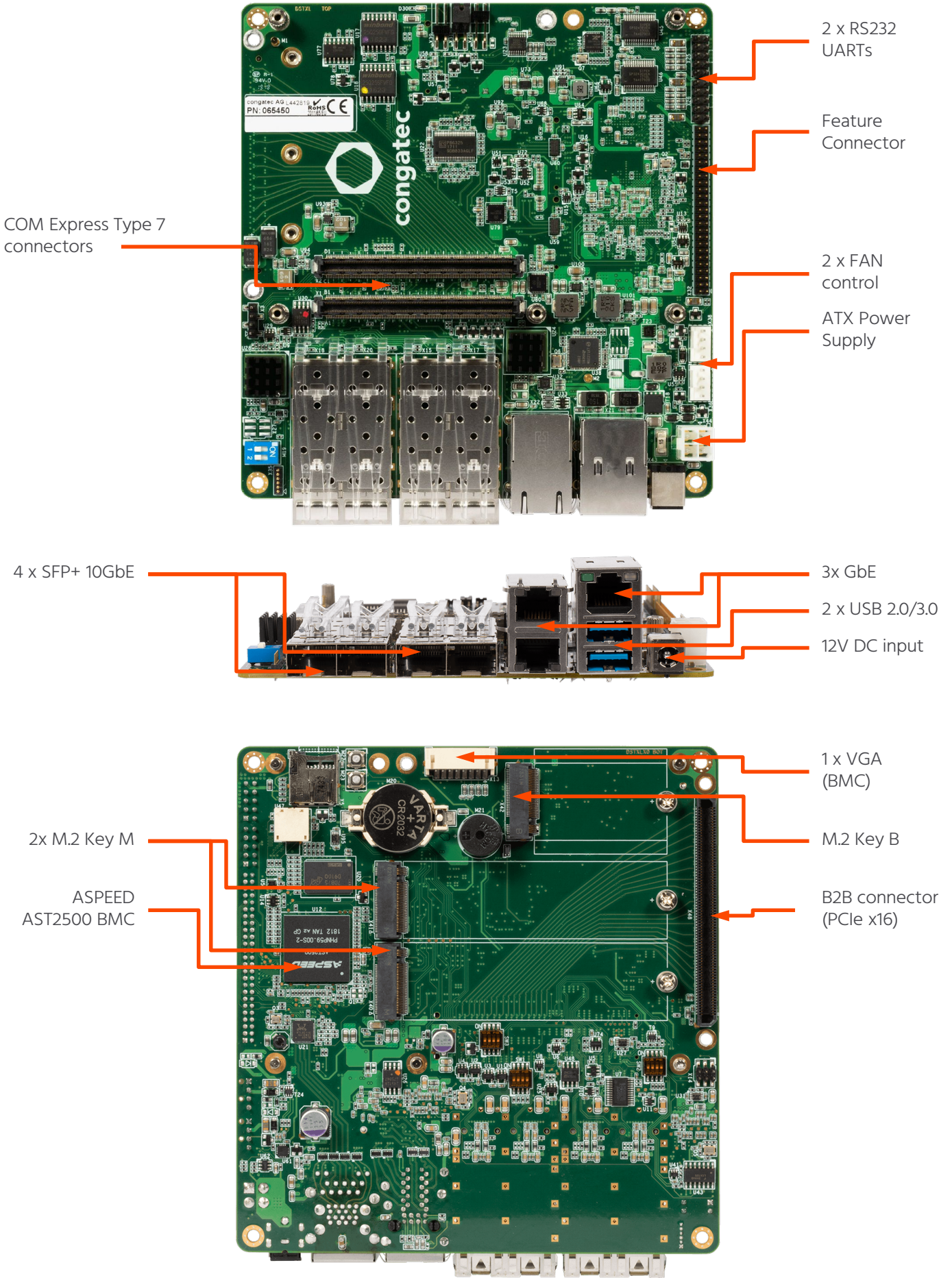


- Intel® 5x5 mini-STX form factor (5.5" x 5.8")
- 4 x 10 GbE LAN (SFP+ modules)
- 3 x 1 GbE LAN
- 3 x M.2 sockets (2x M-Key 2280, 1x B-Key 3042)
- Onboard BMC ASPEED AST2500
- General purpose B2B connector for add-on cards (PCIe x16)

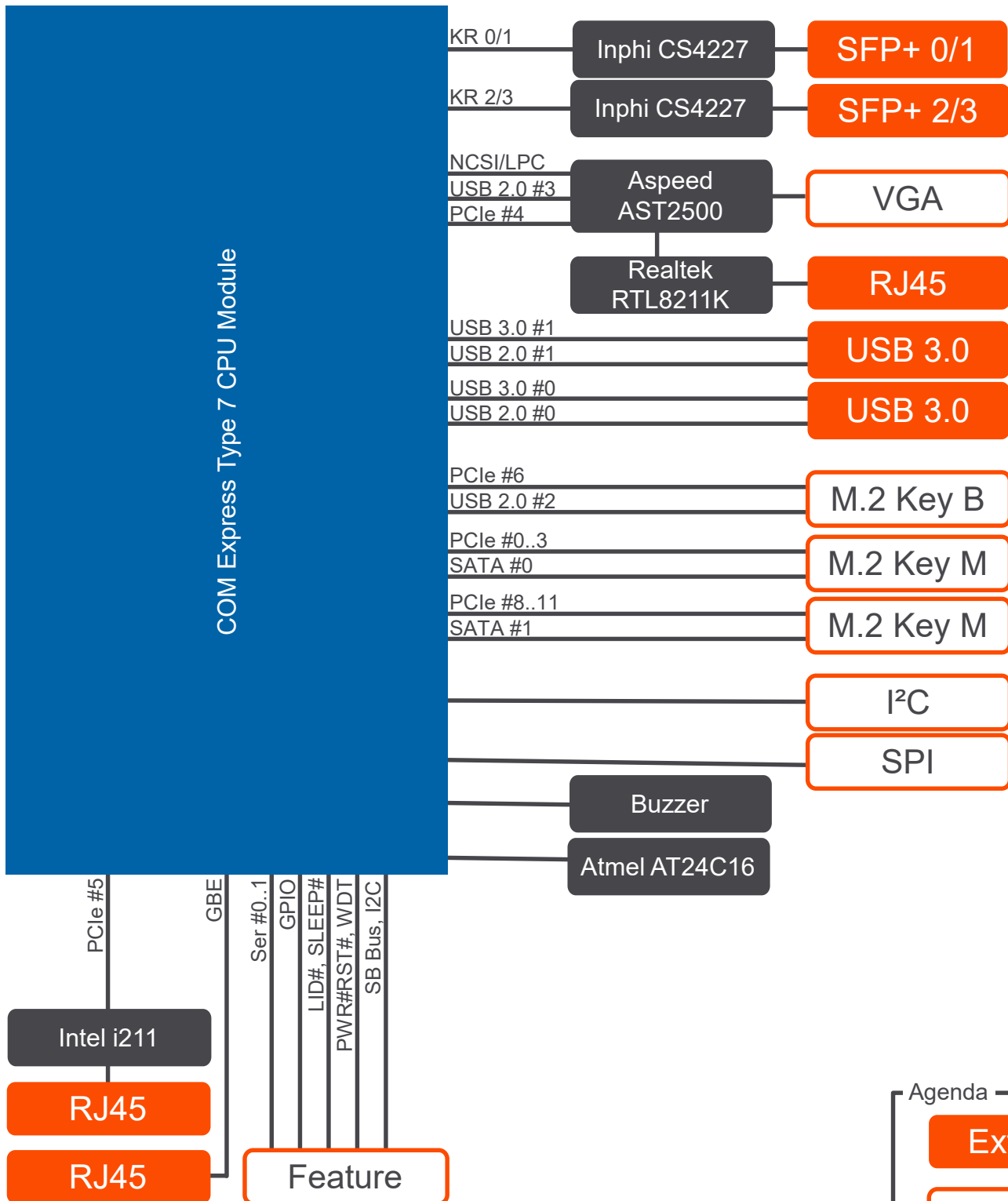
COM  **Express®**

Formfactor	Intel® 5x5, mini-STX form factor (5.5" x 5.8"; 140 mm x 147 mm), COM Express Type 7 Connector (Basic)	
Ethernet	4 x 10 GbE KR MAC Interface from COMe Type 7 module to 2 dual PHY Connector SFP+ Ports. 2 x Integrated Inphi CS4227 10GbE KR PHY's on the carrier. SFP+ ports are configurable by external cable for copper or fiber operating mode 3 x 1 GbE (1 x 1 GbE from COM Express Type 7 module; 1 x 1 GbE on carrier for Networking; 1 x 1 GbE for remote control (BMC))	
Internal connectors	3 x M.2 socket (2x 2280 Key M, 1x 3042 Key B) 2 x RS232 UARTs 1 x Feature connector 1 x General purpose Board 2 Board connector (PCIe x16) 2 x FAN control 1 x VGA	
External connectors	4 x SFP+ 10GbE connector 3 x 1 GbE 2 x USB 2.0/3.0 host ports	
Buttons	Power button Reset button	
BMC	ASPEED AST2500 or ASPEED AST2510	
Power Input	12V DC input ATX Power Supply	
Temperature	Industrial: Operating: -40 to +85°C Storage: -40 to +85°C Commercial: Operating: 0 to +60°C Storage: -40 to +85°C	
Humidity	Operating: 10 - 90% r. H. non cond.	Storage: 5 - 95% r. H. non cond.
Size	140 mm x 147 mm (5.5" x 5.8")	

conga-STX7/carrier | Block diagram



conga-STX7/carrier | Block diagram



conga-STX7/carrier | Order Information

Article	PN	Description
conga-STX7/carrier	065450	Standard Mini-STX carrier board for COM Express Type 7 Modules with basic form factor. The carrier features an Aspeed AST2500 Board Management Controller (BMC).