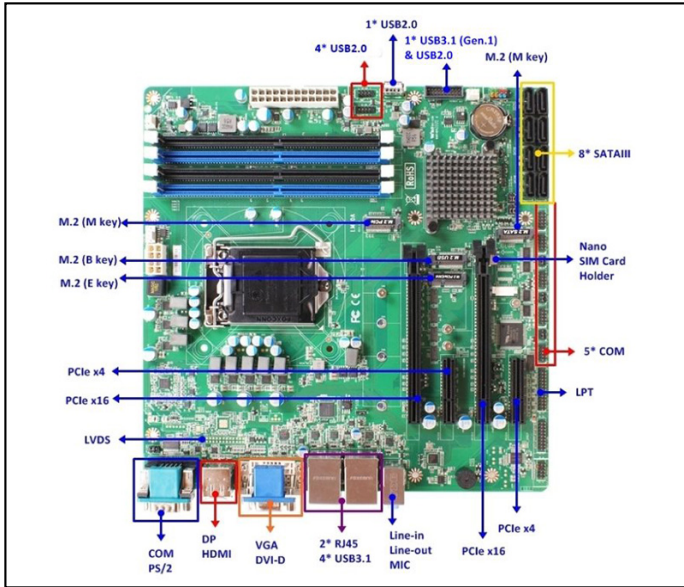


Advanced Micro ATX Motherboard with Intel® LGA1151 CPU and C246 Chipset, featuring 8 x SATA III and 2 x PCIe x16 expansion slots



Features

- Powered by Intel® 8th-9th Gen Core™, Xeon® E, and Pentium® processors (Max. 95W)
- Enhanced Memory Capacity: 4 x DDR4 DIMMs, expandable up to 128GB
- Storage and Expansion: 8 x SATA III, 2 x M.2 M-Key, 1 x M.2 E-Key, and 1 M.2 B-Key
- Versatile Expansion Options: 2 PCIe x16 and 2 PCIe x4 slots for flexible configurations
- Rich Display Interfaces: VGA, LVDS, 4K DVI-D, 4K HDMI, and 4K DP outputs
- Comprehensive I/O Support: 5 USB 3.1, 6 USB 2.0, 2 RS232/422/485, and 4 RS232 COM ports
- Reliable Power Supply: ATX power input for consistent performance

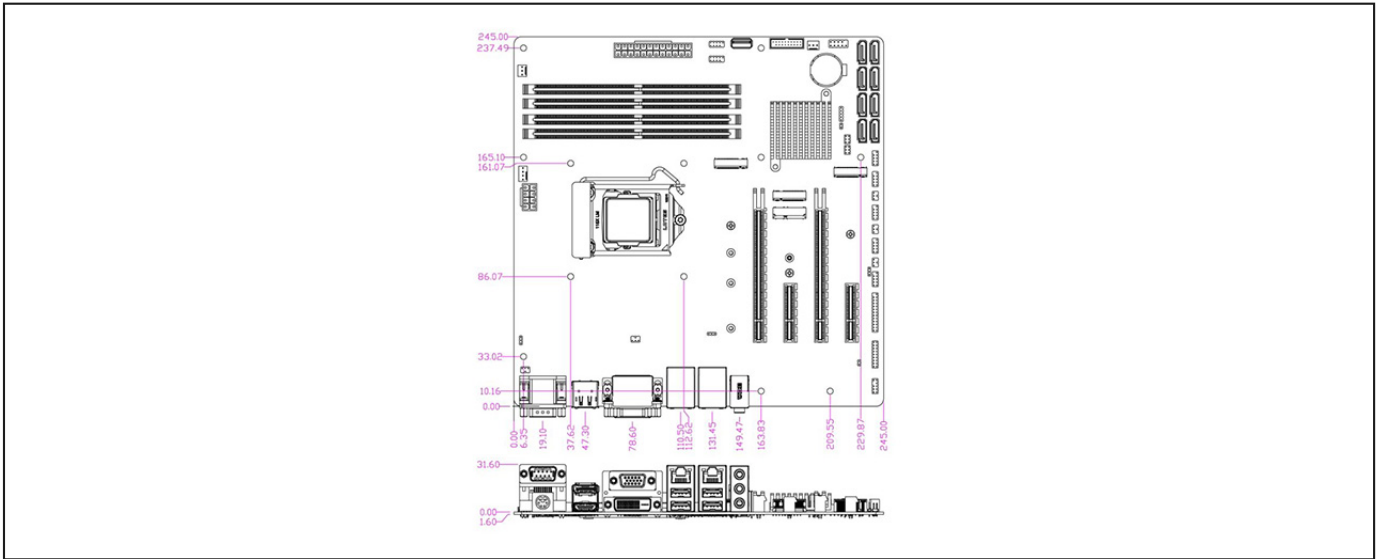
Packing List

PART NUMBER	DESCRIPTION	QTY
JLM-OA2 Series	JLM-OA2 M/B	1
G01-SATA3-BL-1F	SATA III Cable	4
G01-COM-H2M30D-F	COM Cable	3
F04-MB-079-F	LMOA I/O Shield	1

Specifications

SYSTEM	
MB FORM FACTOR	Micro-ATX
CPU	Intel® LGA1151 8th Gen Socket Processor (Formerly Coffee Lake-S, TDP 95W)
CHIPSET	Intel® C246
MEMORY	4 x DDR4 2666/2400/2133MHz DRAM, Dual Channel Long-DIMM, up to 128GB
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
DIMENSION (W X D)	244.0 (W) x 244.0(D) mm (9.6" x 9.6")
OS SUPPORT	Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+8-pin ATX PWR
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay VGA, Option)
MIPI-DSI	1 x DVI-D (Max. Resolution: 4096 x 2304@24Hz)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 1.4 (Max Resolution: 4096 x 2304@24Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz, Co-lay LVDS)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-in	1 x Audio Jack for Line-In
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I219-LM GbE 1 x RJ45 for Intel® i211-AT GbE
USB PORT	
USB	4 x USB 3.1 Internal Header for 1 x USB 3.2 Internal Header for 5 x USB 2.0 Internal USB Type A (Vertical) for 1 x USB 2.0
SERIAL PORT	
COM	1 x DB-9 for RS-232/422/485 with 5V/12V header Internal Header for 1 x RS-232/422/485 with 5V/12V header Internal Header for 2 x RS-232 with 5V/12V header Internal Header for 2 x RS-232
INTERNAL I/O	
GPIO	16-Bit
SMBUS	Yes
I2C	Yes
ADDITIONAL	1 x LVDS (Co-lay VGA) 1 x Parallel 1 x Chassis Intrusion 1 x Audio Header
STORAGE	
SATA	8 x SATA III SATA (No.6 Note On Manual, co-lay M.2 2242)
RAID	RAID 0, 1, 5, 10
EXPANSION	
M.2	2 x M-key 2242/2280/22110 support NVMe 1 x M-Key 2242 (SATA interface, co-lay SATA6) 1 x E-Key 2230 Support CNVi 1 x B-key 3042/3052 support 3G/4G/5G module
PCI-E	2 x PCIe x16 2 x PCIe x4
SIM	1 x Nano SIM Card Slot
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)
STORAGE TEMPERATURE	-20°C - 85°C (-4°F - 185°F)
OPERATING HUMIDITY	10 - 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

Dimension Unit: mm



Ordering Information

PART NUMBER	JLM-0A2
CPU	Intel® Socket LGA1151 CPU
POWER REQUIREMENT	ATX Power Supply
GPU	Intel® HD Graphics
LVDS	1 x LVDS/VGA
MIPI-DSI	1 x DVI-D
DP	1 x DP
HDMI	1 x HDMI
VGA	1 x VGA
MULTIPLE DISPLAY	Support 3 Displays
ETHERNET	2 x GbE
USB	5 x USB 3.2
USB	6 x USB 2.0
COM	2 x RS-232/422/485
COM	4 x RS-232
SATA	8 x SATA III
M.2	2 x M-Key 2242/2280/22110
M.2	1 x M-Key 2242
M.2	1 x E-Key 2230
M.2	1 x B-Key 3042/3052
PCIe	2 x PCIe x16
PCIe	2 x PCIe x4
SIM	1 x Nano SIM Card Slot
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)