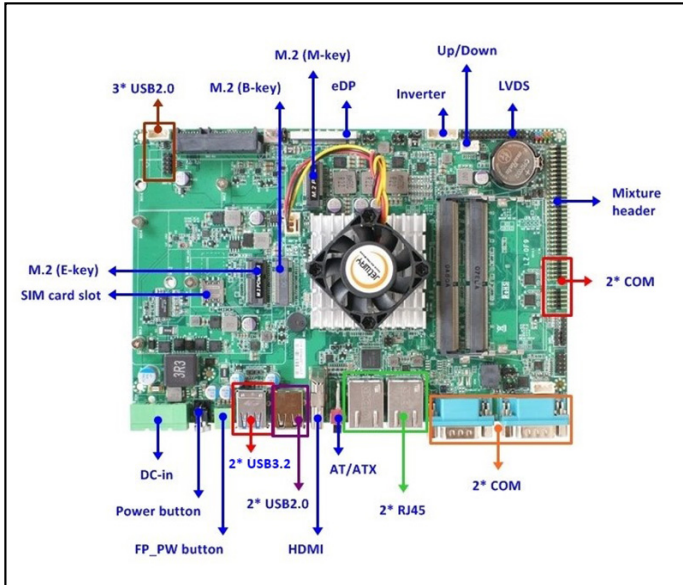


5.5" Motherboard with Intel® Gen 11 SoC Processor, Triple Display Support, and 12-36V Wide Range DC Input



Features

- Powered by Intel® Core i5-1135G7 SoC Processor (Tiger Lake)
- Enhanced Memory Capacity: 2 x DDR4 3200MHz SO-DIMM up to 64GB
- Dual High-Speed Networking: 1 x Intel® i219-LM GbE and 1 x Intel® i225-V 2.5GbE
- Triple Display Support: HDMI 2.0, eDP, and LVDS for versatile display options
- Comprehensive I/O Ports: 2 RS232, 2 RS232/422/485, 2 USB3.2 Gen2, 5 USB2.0, and 1 Mixture Header
- Storage & Expansion: 1 x SATA III, 1 x M.2 M-Key, 1 x M.2 E-Key, 1 x M.2 B-Key
- Wide Power Input: 12-36V DC-in for industrial-grade applications

Packing List

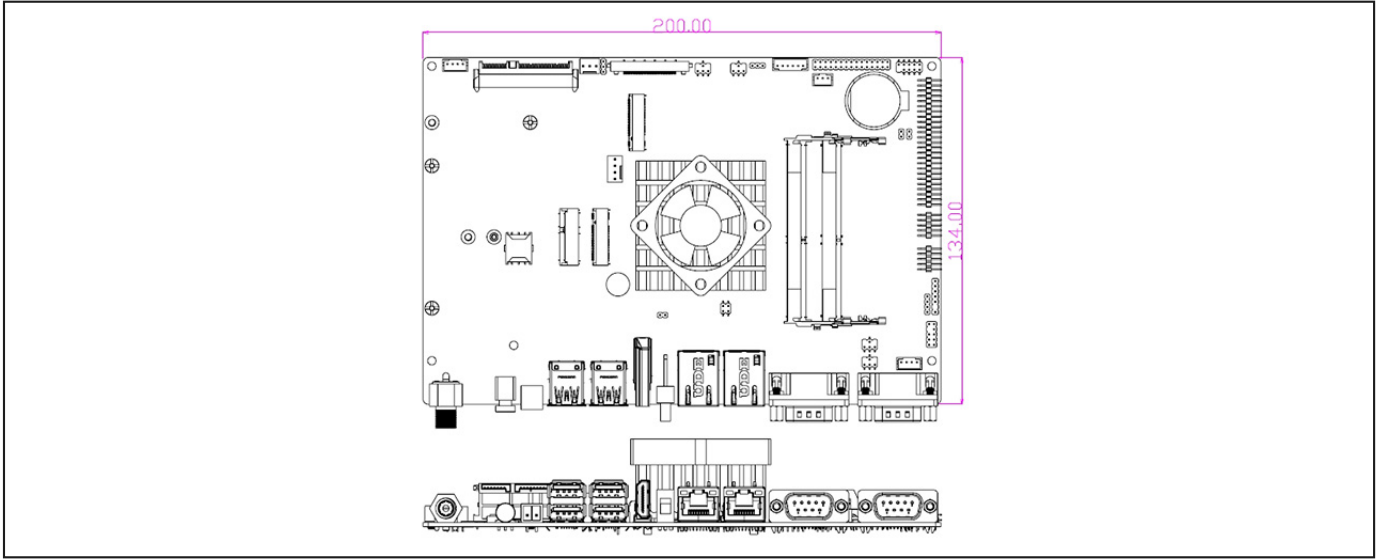
PART NUMBER	DESCRIPTION	QTY
JLZOF-90	JLZOF-90 M/B	1

Specifications

SYSTEM	
MB FORM FACTOR	5.5"
CPU	Onboard Intel® 11th Gen Core™ i5-1135G7 (Formerly Tiger Lake-U, TDP 12-28W)
CHIPSET	Intel® SoC
MEMORY	2 x DDR4 3200MHz, Dual Channel SO-DIMM, up to 64GB
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
DIMENSION (W X D)	200.0 (W) x 135.0 (D) mm (7.8" x 5.3")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12-36V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz)
eDP	1 x eDP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
AMPLIFIER	3W
LAN	
ETHERNET	1 x RJ45 for Intel® I219-LM GbE 1 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 2 x USB 2.0 Internal Header for 3 x USB 2.0
SERIAL PORT	
COM	2 x DB-9 for RS-232/422/485 Internal Header for 2 x RS-232
INTERNAL I/O	
GPIO	16-Bit (In Mixture Header)
SMBUS	Yes
ADDITIONAL	1 x Chassis intrusion 1 x Audio Header 1 x PS/2 1 x Mixture Header (2 x UART, 1 x GPIO (16 bit), 2 x USB2.0, 1 x LPC)
STORAGE	
SATA	1 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-Key 2242/2280 (PCIe 4.0 x4) Support NVMe 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi 1 x B-key 3042/3052/6570 support 3G/4G/5G module
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	JLZOF-90	JLZOF-92
CPU	Intel® Core™ i5-1135G7	Intel® Core™ i5-1135G7
SECURITY		TPM2.0
POWER REQUIREMENT	DC-in 12-36V	DC-in 12-36V
GPU	Intel® HD Graphics	Intel® HD Graphics
LVDS	1 x LVDS	1 x LVDS
eDP	1 x eDP	1 x eDP
HDMI	1 x HDMI	1 x HDMI
MULTIPLE DISPLAY	Support 3 Displays	Support 3 Displays
ETHERNET	1 x GbE	2 x GbE
ETHERNET	1 x 2.5GbE	2 x 2.5GbE
USB	2 x USB 3.2 Gen.2	2 x USB 3.2 Gen.2
USB	5 x USB 2.0	5 x USB 2.0
COM	2 x RS-232	2 x RS-232
COM	2 x RS-232/422/485	3 x RS-232/422/485
SATA	1 x SATA III	1 x SATA III
M.2	1 x M-Key 2242/2280	1 x M-Key 2242/2280
M.2	1 x E-key 2230	1 x E-key 2230
M.2	1 x B-Key 3042/3052/6570	1 x B-Key 3042/3052/6570
SIM	1 x Nano SIM Card Slot	1 x Nano SIM Card Slot
OTHER	1 x Mixture Header	1 x Mixture Header
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)