

Features

- Powered by Intel® 8th Gen Core™ i5-8365UE (Formerly Whiskey Lake-U, TDP 15W)
- Up to 64GB DDR4 SO-DIMM: Optimized for multitasking
- Robust Networking: 1 GbE and 2.5GbE ports for high-speed connections
- Triple Display Support: HDMI, DP, and LVDS/eDP for versatile connectivity
- Extensive I/O Options: 6 COM ports, 6 USB 3.1 (1 vertical), 3 USB 2.0
- Flexible Storage & Expansion: 1 x SATA, 1 x M.2 M-key, 1 x M.2 E-key with CNVi support
- Wide-range DC-in: 9–24V for adaptable power needs
- Optional TPM 2.0: Enhanced security available

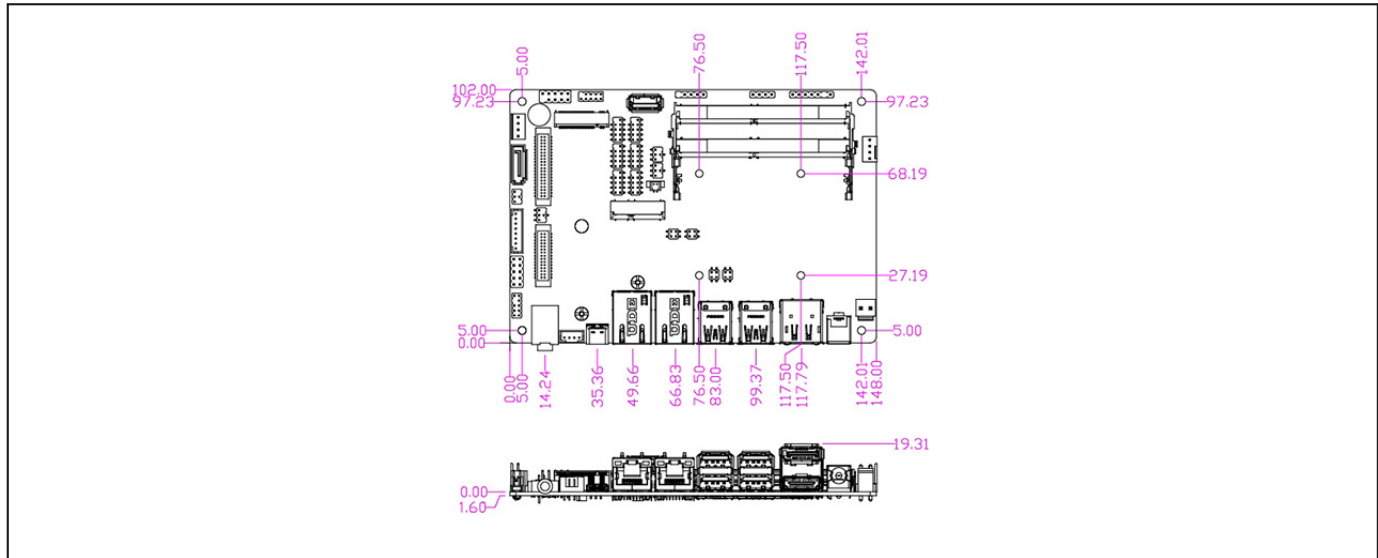
Packing List

PART NUMBER	DESCRIPTION	QTY
JNF835V Series	JNF835V Series M/B	1
G01-COM-H2M20-1F	COM Cable	2
G01-PW4PS2S-322-1F	SATA Power Cable	1
G01-SATA3-BL-1F	SATA Cable	1
HCS3XXMHT03S-1F	Flat Type Heatsin	1

Specifications

SYSTEM	
MB FORM FACTOR	3.5"
CPU	Onboard Intel® Processor i5-8365UE (Formerly Whiskey Lake-U, TDP 15W)
CHIPSET	Intel® SoC
MEMORY	2 x DDR4 2400MHz Dual Channel SDRAM non-ECC SO-DIMM up to 64GB
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
DIMENSION (W X D)	148.0 (W) x 102.0 (D) mm (5.8" x 4.0")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 9-24V
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)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 1.4 (Max Resolution: 4096 x 2160@30Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-out	1 x Audio Jack for Line-Out
AMPLIFIER	3W
LAN	
ETHERNET	1 x RJ45 for Intel® I219-LM GbE 1 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	4 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 1 x USB 3.2 Gen 2x1 Type-C (10Gbps) Internal USB Type A (Vertical) for 1 x USB 3.1(Gen.1) Internal Header for 3 x USB 2.0
SERIAL PORT	
COM	Internal Header for 1 x RS-232/422/485 Internal Header for 5 x RS-232
INTERNAL I/O	
GPIO	8-Bit
I2C	Yes
ADDITIONAL	1 x Chassis intrusion 1 x Audio Header 1 x PS/2 1 x LVDS / Inverter (selection w/eDP) 1 x eDP (selection w/LVDS) 1 x AT Mode Selection
STORAGE	
SATA	1 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-Key 2242/2280 (SATA III/PCIe 3.0 x4) Support NVMe 1 x E-Key 2230 Support CNVi
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 LVD
ESG DECLARATION	EU RoHS China RoHS REACH

Dimension Unit: mm



Ordering Information

PART NUMBER	JNF835V-8365U
CPU	Intel® Core™ i5-8365UE
SECURITY	TPM2.0
POWER REQUIREMENT	DC-in 9-24V
GPU	Intel® HD Graphics
LVDS	1 x LVDS/eDP
eDP	1 x eDP/LVDS
DP	1 x DP
HDMI	1 x HDMI
MULTIPLE DISPLAY	Support 3 Displays
ETHERNET	1 x CbE
ETHERNET	1 x 2.5GbE
USB	4 x USB 3.2 Gen 2
USB	1 x USB 3.2 Gen 2 Type C
USB	1 x USB 3.1 Gen 1 for Vertical type
USB	3 x USB 2.0
COM	1 x RS-232/422/485
COM	5 x RS-232
SATA	1 x SATA III
M.2	1 x M-Key 2242/2280
M.2	1 x E-Key 2230
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)