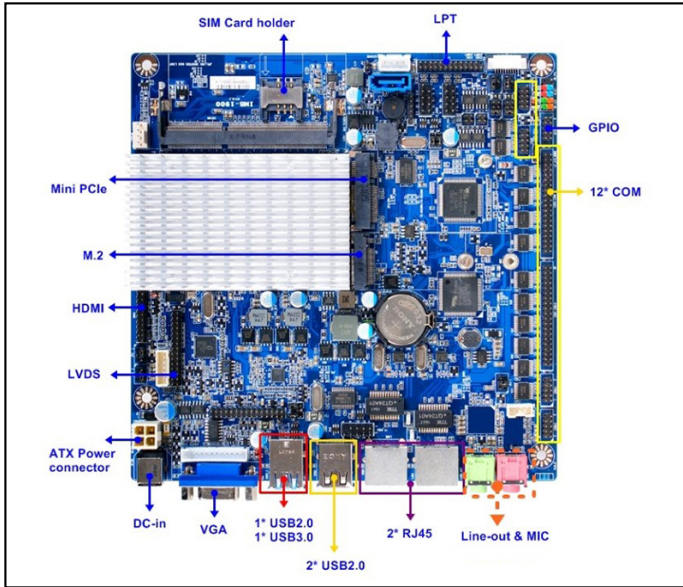


IMB-1900-2L



Mini-ITX

Mini-ITX Form Factor with Intel® J1900 Processor, Supporting 10 USB and 12 COM Ports



Features

- Powered by Intel® Celeron® Processor J1900 (Bay Trail, 10W TDP)
- Enhanced Display Options: Supports 1 x VGA, 1 x HDMI, 1 x LVDS
- Dual GbE LAN for Reliable Networking
- Comprehensive I/O: 10 USB Ports, 12 COM Ports
- Flexible Expansion: 1 x Mini PCIe, 1 x SATA, 1 x M.2 M-Key
- Optional TPM 2.0 Support (IMB-1900-2LT)

Packing List

PART NUMBER	DESCRIPTION	QTY
IMB-1900-2L	IMB-1900-2L	1
G01-COM-H2M22-1F	COM Cable	4
G01-SATA-BK-B-2F	SATA Cable	1
G01-XH4-SA15A-30F	SATA Power cord	1
F04-MB-054-F	I/O Shield	1
F04-MB-061-F	I/O Shield	1

Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Onboard Intel® Celeron® Processor J1900 (Formerly Bay Trail, TDP 10W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR3L 1333MHz, Single Channel SO-DIMM, up to 8GB
BIOS	AMI 64Mb Flash ROM
WATCHDOG TIMER	255 Levels
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
POWER	
POWER REQUIREMENT	DC-in 12V
POWER ON MODE	AT / ATX
CONNECTOR	4-pin ATX 12V Power Connector
DISPLAY	
LVDS	1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz)
HDMI	1 x HDMI (Max Resolution: 1920 x 1200@60Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz)
AUDIO	
CODEC	Realtek Audio Codec
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
AMPLIFIER	3W
LAN	
ETHERNET	2 x RJ45 for Realtek® RTL8111G GbE
USB PORT	
USB	1 x USB 3.0 3 x USB 2.0 Internal Header for 6 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232/422/485 and TTL Internal Header for 10 x RS-232
INTERNAL I/O	
GPIO	8-Bit
FAN	1 x CPU Fan Header (Smart Fan)
ADDITIONAL	1 x Front panel header 1 x PS/2 1 x Parallel 1 x Speaker header
STORAGE	
SATA	1 x SATA II 1 x SATA Power Connector
MINI PCI-E	1 x Full Size Mini-PCIe
EXPANSION	
M.2	1 x M-Key 2242/2260
SIM	1 x 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)

Ordering Information

PART NUMBER	JIMB-1900-2L	JIMB-1900-2LT
CPU	Intel® Celeron® J1900	Intel® Celeron® J1900
SECURITY		TPM2.0
POWER REQUIREMENT	DC-in 12V	DC-in 12V
LVDS	1 x LVDS	1 x LVDS
HDMI	1 x HDMI	1 x HDMI
VGA	1 x VGA	1 x VGA
ETHERNET	2 x GbE	2 x GbE
USB	1 x USB 3.0	1 x USB 3.0
USB	9 x USB 2.0	9 x USB 2.0
COM	2 x RS-232/422/485	2 x RS-232/422/485
COM	10 x RS-232	10 x RS-232
SATA	1 x SATA II	1 x SATA II
MINI PCI-E	1 x Full mini PCIe	1 x Full mini PCIe
M.2	1 x M-Key 2242/2260	1 x M-Key 2242/2260
SIM	1 x SIM Card Slot	1 x SIM Card Slot
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)