PRODUCT DATASHEET

BI270-356H

Mini-ITX Barebone Computer with MX356H, a MX-PTL series inside, with Intel® Core™ Ultra 7-356H Processor (Series 3) Onboard





Features

- Motherboard: MX356H, a MX-PTL series (Panther Lake) Mini ITX
- Intel® Core™ Ultra 7 Processor 356H, 18M Cache, up to 4.70 GHz
- Integrated Graphics, 4 Xe-cores with up to 40 GPU TOPS, and up to 50 NPU Tops
- 2 x DDR5 SODIMM sockets support up to DDR5 7200 MT/s using CSODIMM modules; supports up to DDR5 6400 MT/s using SODIMM modules.
- 3 x M.2: E-Key, M-Key, B-Key
- Supports 4 Independent Displays: 2 x DP, LVDS/eDP optional, 2 x Type C Thunderbolt 4
- Dual LAN: 2 x Intel® Ethernet Controller I226-LM
- 12-24V DC-in
- Dimension: 8.6" L x 8" W x 2.2" H
- Optional 2 x COM port(s) at rear I/O
- Cut-outs reserved for SMA Antenna Jacks
- Wall Mount Bracket (Optional)

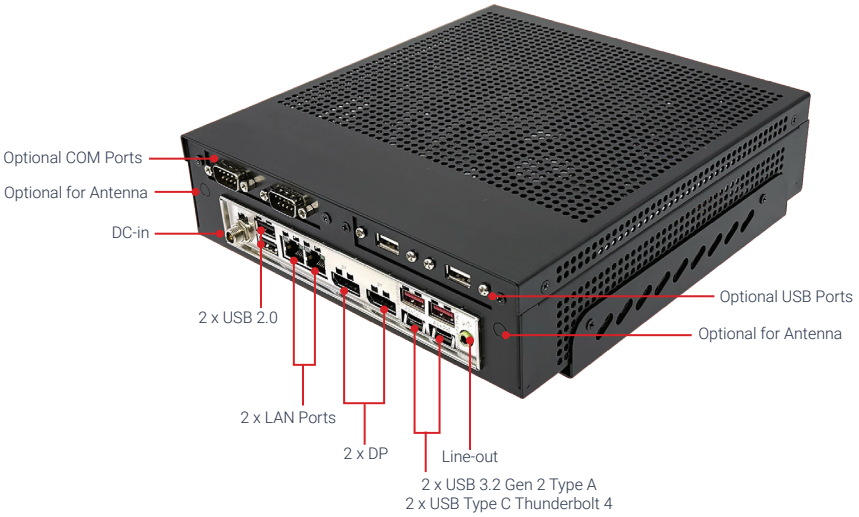
SPECIFICATIONS

System	
Motherboard	MX356H, a MX-PTL series Mini-ITX
Processor	Intel® Core™ Ultra 7 Processor 356H, 18M Cache, up to 4.70 GHz, formerly Panther Lake Platform
Display Chipset	Intel® Graphics - 4 Xe-cores
Ethernet	2 x Intel® Ethernet Controller I226-LM
Audio Codec	Realtek HD Audio Codec
Expansion	1 x 2230 M.2 E-Key with CNVi Support (PCIe x1 Channel & USB Signal) 1 x 2280 & 2242 M.2 M-Key NVMe (with Gen 5 PCIe x4) 1 x 3042 M.2 B-Key with Nano SIM Socket (with PCIe x2, & USB 3.2 Signal)
TPM	TPM 2.0
Supported OS	Win 11 64-bit, Linux Ubuntu
External I/O - Rear	
Display	2 x DisplayPort++
USB	2 x USB 3.2 Gen 2 Type A Connectors 2 x USB 2.0 Type A Connectors 2 x USB Type C Thunderbolt 4 Connectors
LAN	2 x RJ45
Audio	Line-out
DC-in	1 x DC-In
Optional Ports	Optional 2 x COM Ports

External I/O - Front	
USB	2 x USB 2.0 or 2 x USB 3.2 Gen1
Power	1 x Power Button with LED
Other	1 x Reset Switch
Mechanical, Power, and Environment	
Power Requirement	12V-24V Wide Range DC-In
Power Adapter	Input: 100~240 Vac/50~60Hz Output: 120W Adapter
Operating Temp	0°C ~ 35°C (32°F ~ 95°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
OP Humidity	5% ~ 85% Relative Humidity, Non-condensing
Mounting	Wall Mount Bracket (Optional)
Regulatory Compliance	FCC Class B/CE RoHS Compliant
Dimensions	8.6" L x 8" W x 2.2" H (218.1mm L x 203.2mm W x 55mm H)
Weight	3.5 lbs (1.58 kg)

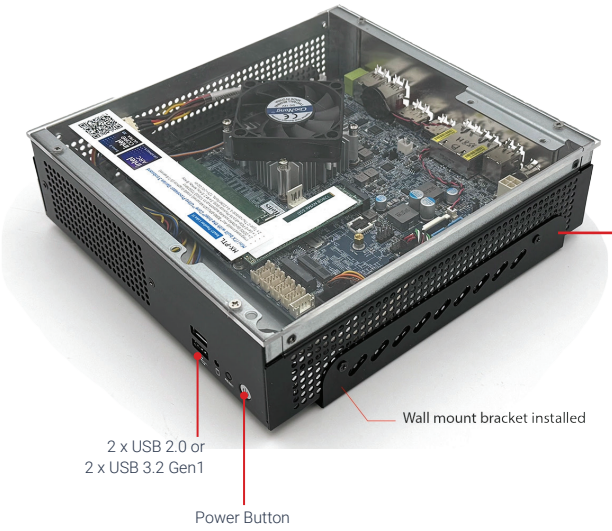
* All product specifications and images are subject to change without notice. Last update: 10/29/2026

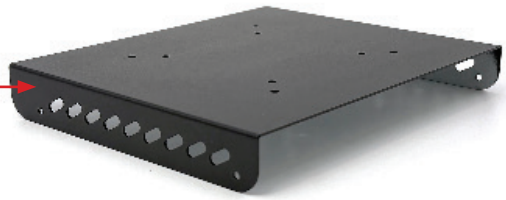
SPECIFICATIONS / ADDITIONAL PRODUCT PHOTOS





▲ Wall Mount Bracket (Optional) installed





▲ Wall Mount Bracket (Optional)



▲ Wall Mount Bracket (Optional) installed

ORDERING INFORMATION

Model Name	Description
BI270-356H	Mini-ITX Barebone Computer with MX356H, a MX-PTL series Mini ITX inside, Intel® Core™ Ultra 7-356H Processor Onboard onboard, Power Adapter. Please contact BCMSales@bcmcom.com for more information.
Wall Mount Bracket	Please contact BCMSales@bcmcom.com for more information.

intel prestige partner Builder

BCM Advanced Research
Tailored Hardware Solutions, Delivered with Excellence:
Your Go-To Partner for Industrial Computing Design

BCMSales@bcmcom.com
www.bcmcom.com

11 Chrysler
Irvine, CA 92618 USA