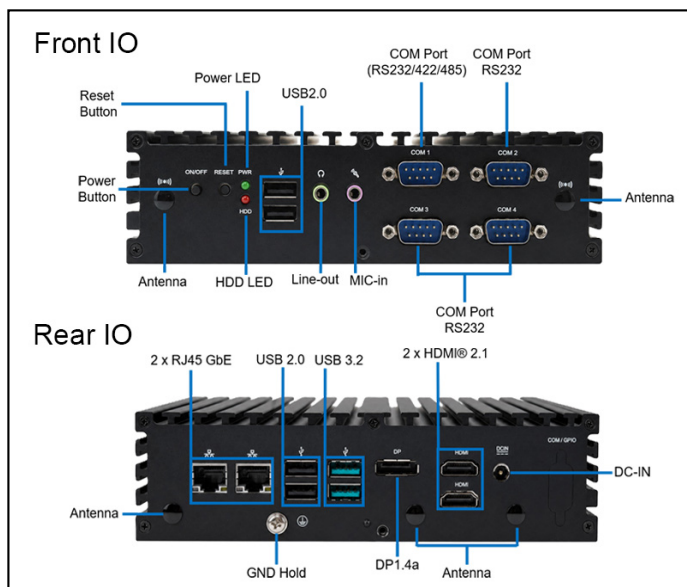


Fanless Embedded Box PC featuring Intel® N150 Processor for High-Efficiency Operation



Features

- Powered by the Intel® Processor N150 (Twin Lake) with a low 6W TDP and DDR5 4800MT/s memory.
- Triple 4K display support through 2 x HDMI®, 1 x DP, and 1 x eDP/LVDS interface.
- Flexible storage and expansion with 1 x M.2 M-Key (NVMe), 1 x SATA III, 1 x M.2 E-Key, and 1 x M.2 B-Key.
- Comprehensive I/O with 2 x USB 3.2 Gen 2, 4 x USB 2.0, and 4 x COM.
- Supports wide-temperature operation from -20°C to 60°C.

Packing List

PART NUMBER	DESCRIPTION	QTY
B377FTWL1	B377FTWL1 Barebone	1
HCSFBWM01B-F	Wallmount Kit	2
L01AS053-F	Adapter 12V/5A 60W	1
LCSCBJC3XX-F	Screw Pack	1
Change according to shipping area	Power Cord (Region Specific)	1

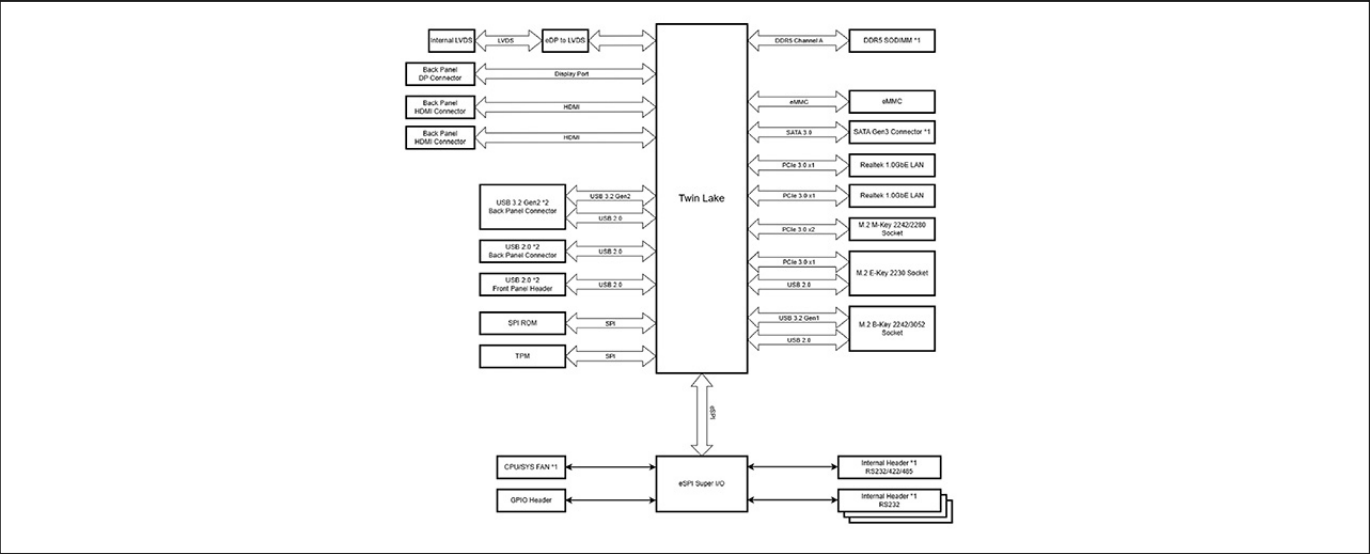
Optional Accessory

PART NUMBER	DESCRIPTION	QTY
HCS3XXDINRAILPS-F	DIN Rail Clips	2
LCSC306M06B-F	Screws for DIN Rail Clips	6

Specifications

SYSTEM	
MB FORM FACTOR	Compact
CPU	Onboard Intel® Processor N150 (Formerly Twin Lake, TDP 6W) For additional compatible CPUs, please contact regional sales
CHIPSET	Intel® SoC
MEMORY	1 x DDR5 4800MT/s, Single Channel SO-DIMM, up to 32GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (dTPM, Optional)
RTC BATTERY	Lithium Battery
OS SUPPORT	Windows® 11 (64bit), Windows® 10 (64bit), Linux
POWER	
POWER REQUIREMENT	DC-in 12V
POWER ON MODE	AT / ATX (Default) Mode
DISPLAY	
GPU	Intel® Graphics
DP	1 x DP1.4a (Max Resolution: 4096 x 2160@60Hz)
HDMI®	2 x HDMI® 2.1 TMDS (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek ALC897
LAN	
ETHERNET	2 x RJ45 for Realtek® RTL8111H GbE
SYSTEM I/O	
REAR PANEL I/O	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 2 x USB 2.0 2 x RJ45 1 x DP 2 x HDMI® 1 x DC Jack
FRONT PANEL I/O	1 x Power Button 1 x Reset Button 1 x Power LED 1 x HDD LED 2 x USB 2.0 1 x Line-out 1 x MIC-in 1 x RS-232/422/485 3 x RS-232
STORAGE	
SATA	1 x 2.5" SATA 6Gb/s internal drive bay (only Support 2.5" HDD with a height ≤ 10mm)
EXPANSION	
M.2	1 x B-Key 3042/3052 (USB 3.2) for 4G/5G/LTE 1 x E-Key 2230 (USB 2.0/PCIe x1) for WIFI/BT Module 1 x M-Key 2280 (PCIe 3.0 x2) Support NVMe
SIM	1 x Nano SIM Card Slot
OTHERS	
OTHER	1 x GPIO (8 Bit)
MECHANICAL	
MOUNTING	Wall Mount, DIN Rail Clip
DIMENSIONS (W x H x D)	185.0 (W) x 142.0 (D) x 48.0 (H) mm
CONSTRUCTION	Aluminum Heatsink + Metal Chassis
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
OPERATING TEMPERATURE	-20°C ~ 60°C (-4°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

Block Diagram



Ordering Information

PART NUMBER	B377FTWL1-A111	B377FTWL1-A211
SECURITY	Intel® PTT (TPM)	TPM 2.0