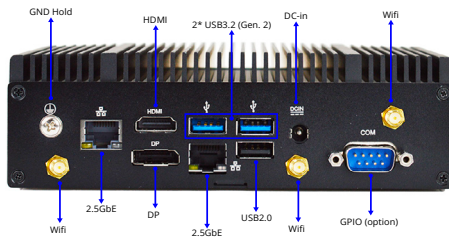
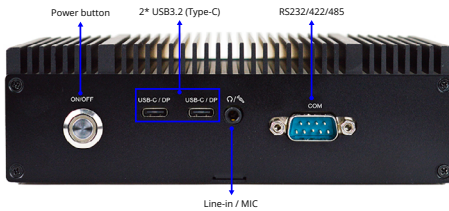


Fanless Embedded Box PC with Intel® Processor N-series

## Rear



## Front



## Features

- 1 x DDR5 4800MHz SODIMM Slot, up to 32GB
- 1 x HDMI 2.0b, 1 x DP1.4a
- 2 x 2.5GbE, 1 x RS485/422/232, 1 x Audio
- 2 x USB 3.2 Gen2, 1 x USB2.0, 2 x USB3.2 Type C
- 1 x M.2 2260/2280 M-key, 1 x M.2 2230 E-key
- MB support Wide DC Input 12-19V
- Support 64GB eMMC & TPM2.0 (optional)

## Applications

- IoT Solution
- Edge Computing
- Automation Industry

## Packing List

Part Number	Description	QTY
	BFTADN1-N97-XX SERIES	1
HCSFBMWM01B-F	Wallmount/DIN Rail brackets	2
HCS3XXDINRAILPS-F	DIN RAIL KITS	2
L01AS0XX-F	Adapter DC12V_40W	1
LCSCHEFDXXX-F	Screw Package	1
Change according to shipping area	Power cord	1

## Optional Accessories

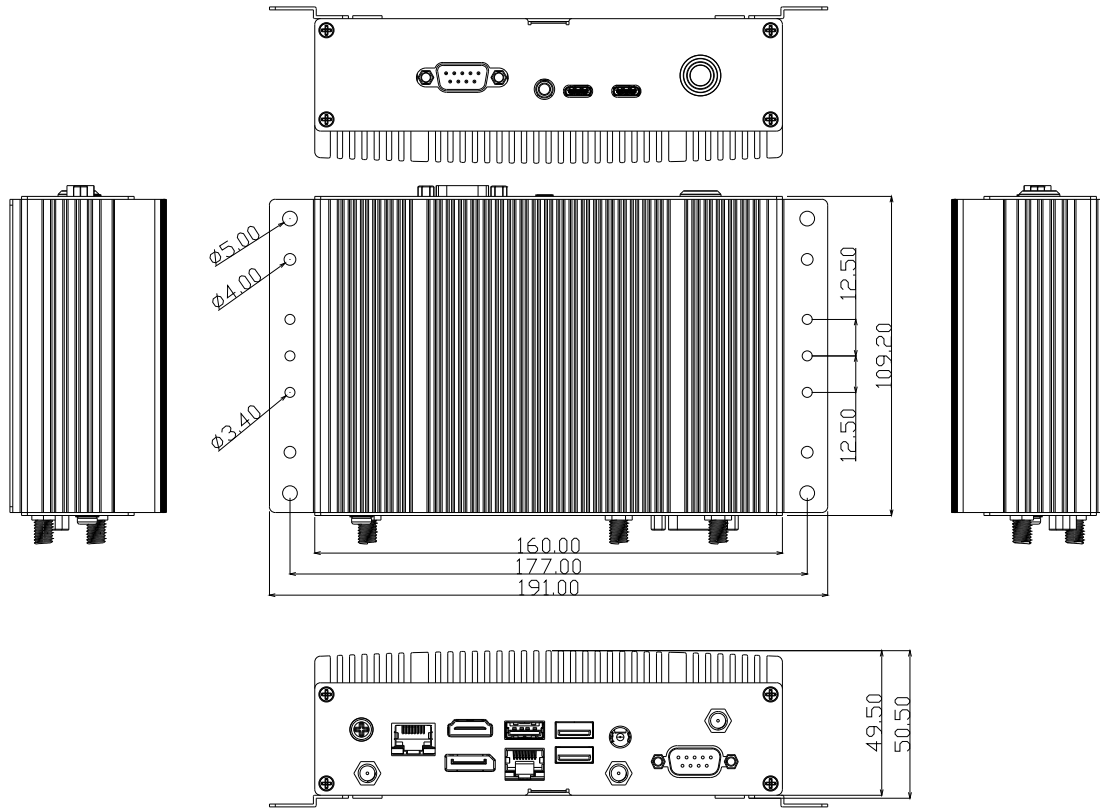
Part Number	Description	QTY per Board
J05-ANT-GX57245-F	Antenna 2.4G/5G 2.8dBi	2

## Specifications

SYSTEM	
CPU	Intel® Processor N97 (TDP 12W)
CHIPSET	—
SYSTEM MEMORY	1 x DDR5 4800MHz SODIMM up to 32GB
DISPLAY INTERFACE	1 x HDMI 2.0b (Max Resolution: 4096x2160@60Hz) 1 x DisplayPort for DP1.4a (Max Resolution: 4096x2304@60Hz) 2 x USB3.2 (type C, support DP ALT mode, Max Resolution: 4096x2304@60Hz) Supports 3 Displays
STORAGE DEVICE	1 x M.2 2280 M-key (PCIe Gen.3 x2 interface) support NVMe 64GB eMMC 5.1 onboard (optional)
ETHERNET	2 x Intel® I225-V, 2.5GbE
Front I/O	Power button Power LED 2 x USB3.2 (type C, support DP ALT mode) 1 x Combo Audio (Line out & Mic) 1 x DB-9 for RS-232/422/485
Rear I/O	3 x SMA Antenna Hole 2 x RJ45 1 x USB2.0 2 x USB3.2 Gen2 Ground screw 1 x HDMI 1 x DP 1 x GPIO (optional) 1 x DC jack
EXPANSION	1 x M.2 2230 E-Key for WiFi module TPM2.0 (optional)
INDICATOR	1 x Power LED
OS SUPPORT	Windows® 11 Linux
POWER SUPPLY	
POWER REQUIREMENT	MB : DC Input 12~19V Adapter : AC100~240V / DC12V_3.3A_40W
MECHANICAL	
MOUNTING	Desktop, Wallmount, Din Rail
DIMENSIONS (W x H x D)	160(W) x 109.2(D) x 50.5(H) mm
GROSS WEIGHT	2.4 kg
NET WEIGHT	1.4 kg
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~185°F)
OPERATING HUMIDITY	10 ~ 95% @ 40°C, non-condensing
ANTI-VIBRATION	—
ANTI-SHOCK	—
CERTIFICATION	CE/FCC Class A , LVD

## Dimension

Unit: mm



## Ordering Information

Part Number	BFTADN1-N97-N	BFTADN1-N97-NT	BFTADN1-N97-NE	BFTADN1-N97-NQ	BFTADN1-N97-I	BFTADN1-N97-IT	BFTADN1-N97-IE	BFTADN1-N97-IQ
LAN	2	2	2	2	2	2	2	2
USB 3.2	4	4	4	4	4	4	4	4
USB 2.0	1	1	1	1	1	1	1	1
RS-232/422/485	1	1	1	1	1	1	1	1
AUDIO	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out	Mic-in Line-out
STORAGE	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key	1 x M.2 2260/ 2280 M Key
DISPLAY	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)	1 x HDMI 1 x DP 2 x USB-C (DP)
EXPANSION	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230	1 x M.2 E-Key 2230
MOUNTING	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail	Desktop, Wall, DIN Rail
POWER	12-19V	12-19V	12-19V	12-19V	12-19V	12-19V	12-19V	12-19V
OPERATION TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)	0°C ~ 60°C (32°F ~ 140°F) (Under the condition of using M.2 interface SSD)
TPM	—	2.0	—	2.0	—	2.0	—	2.0
WiFi	—	—	—	—	YES	YES	YES	YES
EMMC	—	—	64GB	64GB	—	—	64GB	64GB