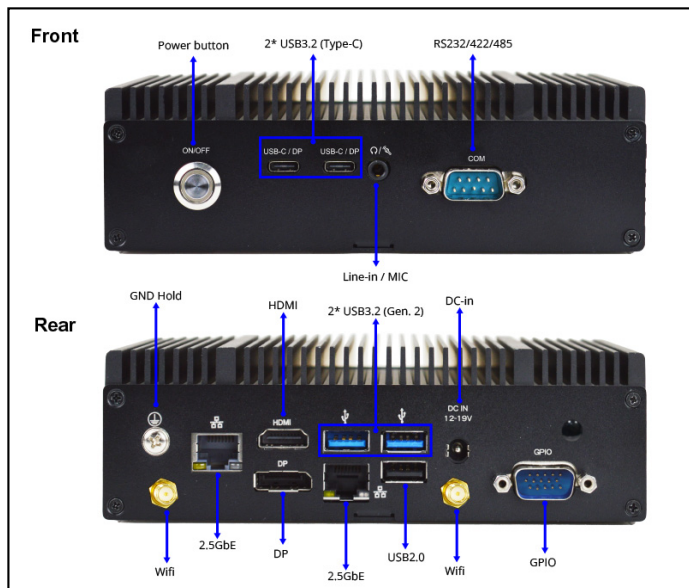


BFTADN1-N97-N



NUC

Fanless Embedded Box PC with Intel® Processor N-series, featuring Triple Display and Dual 2.5GbE LAN



Features

- **Powered by Intel® N97:** Formerly Alder Lake N, designed for efficient performance
- **High-Speed Memory:** Supports DDR5 4800MHz SO-DIMM slot
- **Triple Display Support:** 1 x 4K HDMI, 1 x 4K DP, and 2 x 4K USB 3.2 (DP ALT Mode) outputs
- **Dual 2.5GbE Ethernet:** Ensures high-speed and reliable networking
- **Comprehensive I/O Ports:** 2 USB 3.2 Gen2, 2 USB 3.2 (DP ALT Mode), 1 USB 2.0, 1 COM, and 1 GPIO
- **Additional Features:** Supports up to 64GB eMMC and TPM 2.0 (optional)
- **Compact and Fanless Design:** Supports desktop, wall, and DIN rail mounting for space-saving installations

Packing List

PART NUMBER	DESCRIPTION	QTY
BFTADN1	BFTADN1-N97-XX SERIES	1
HCSFDMWM01B-F	Wallmount/DIN Rail brackets	2
HCS3XXDINRAILPS-F	DIN RAIL KITS	2
L01AS0XX-F	Adapter DC12V_40W	1
LCSCHBFDXXX-F	Screw Package	1
Change according to shipping area	Power cord	1

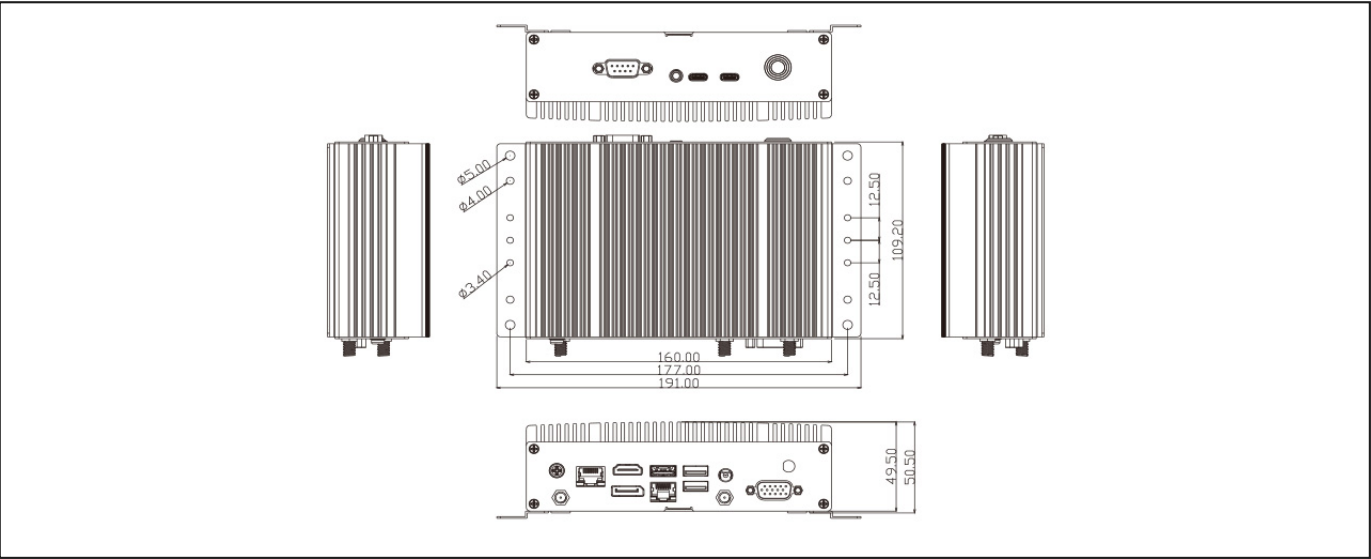
Optional Accessory

PART NUMBER	DESCRIPTION	QTY
J05-ANT-GX57245-F	Antenna 2.4G/5G 2.8dBi	2

Specifications

SYSTEM	
MB FORM FACTOR	Compact
CPU	Onboard Intel® Processor N97 (Formerly Alder Lake-N, TDP 12W)
MEMORY	1 x DDR5 4800MHz, Single Channel SO-DIMM, up to 32GB
SECURITY	TPM2.0 (Optional)
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12-19V 40W Adapter: AC100-240V, DC12V/3.3A
DISPLAY	
Type C DP	2 x Type C DP1.4a (Max. Resolution: 4096 x 2304@60Hz)
DP	1 x DP1.4a (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
LAN	
ETHERNET	2 x RJ45 for Intel® I226-V 2.5GbE
SYSTEM I/O	
REAR PANEL I/O	2 x RJ45 1 x USB 2.0 2 x USB 3.2 Gen 2 1 x HDMI 1 x DP 1 x GPIO 1 x DC Jack 2 x WIFI Antenna Holes 1 x Grounding screw
FRONT PANEL I/O	1 x Power Button 1 x Power LED 2 x USB 3.2 Type C support DP ALT mode 1 x Combo Audio (Line out & Mic) 1 x RS-232/422/485
STORAGE	
eMMC	Onboard 64GB eMMC 5.1 (optional)
EXPANSION	
M.2	1 x M-Key 2260/2280 (PCIe 3.0 x2/SATA) Support NVMe 1 x E-Key 2230 for WiFi Module
MECHANICAL	
MOUNTING	Desktop, Wallmount, Din Rail
DIMENSIONS (W x H x D)	160.0 (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)
STORAGE TEMPERATURE	-40°C ~ 85°C (-40°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 95% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A LVD

Dimension Unit: mm



Ordering Information

PART NUMBER	BFTADN1-N97-N-A1	BFTADN1-N97-I-A1	BFTADN1-N97-IT-A1
CPU	Intel® Processor N97	Intel® Processor N97	Intel® Processor N97
SECURITY			TPM2.0
POWER REQUIREMENT	DC-in 12-19V	DC-in 12-19V	DC-in 12-19V
TPYE C DP	2 x Type C DP	2 x Type C DP	2 x Type C DP
DP	1 x DP	1 x DP	1 x DP
HDMI	1 x HDMI	1 x HDMI	1 x HDMI
MULTIPLE DISPLAY	Support 3 Displays	Support 3 Displays	Support 3 Displays
ETHERNET	2 x 2.5GbE	2 x 2.5GbE	2 x 2.5GbE
I/O	2 x USB 3.1 Gen 2 Type C	2 x USB 3.1 Gen 2 Type C	2 x USB 3.1 Gen 2 Type C
I/O	1 x USB 2.0	1 x USB 2.0	1 x USB 2.0
I/O	1 x RS-232/422/485	1 x RS-232/422/485	1 x RS-232/422/485
I/O	1 x Audio (Line-out, MIC Combo)	1 x Audio (Line-out, MIC Combo)	1 x Audio (Line-out, MIC Combo)
I/O	1 x GPIO	1 x GPIO	1 x GPIO
I/O	2 x SMA	2 x SMA	2 x SMA
M.2	1 x M-Key 2260/2280	1 x M-Key 2260/2280	1 x M-Key 2260/2280
M.2	1 x E-Key 2230	1 x E-Key 2230	1 x E-Key 2230
OTHER		WiFi	WiFi
OPERATING TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F)	0°C ~ 60°C (32°F ~ 140°F)	0°C ~ 60°C (32°F ~ 140°F)