

# IBOX-3426-A

Intel® 14<sup>th</sup> Gen Core™ Ultra processor  
Embedded PC



## Features:

- ◇ Onboard 14th gen Intel Core Ultra processor;
- ◇ 3× M.2 slots , 2× MINI PCIE slots;
- ◇ 2× USB 3.1 , 2× 2.5G Lan (optional 3 Lan);
- ◇ 4× HDMI+2× Type-C, 4 displays;
- ◇ 1× 4-in-4-out GPIO (9-24V,with optocoupler isolation);
- ◇ 6× COM (4 RS485, 2 RS232);
- ◇ 2P DC 12-24V wide voltage input;
- ◇ Applicable system:



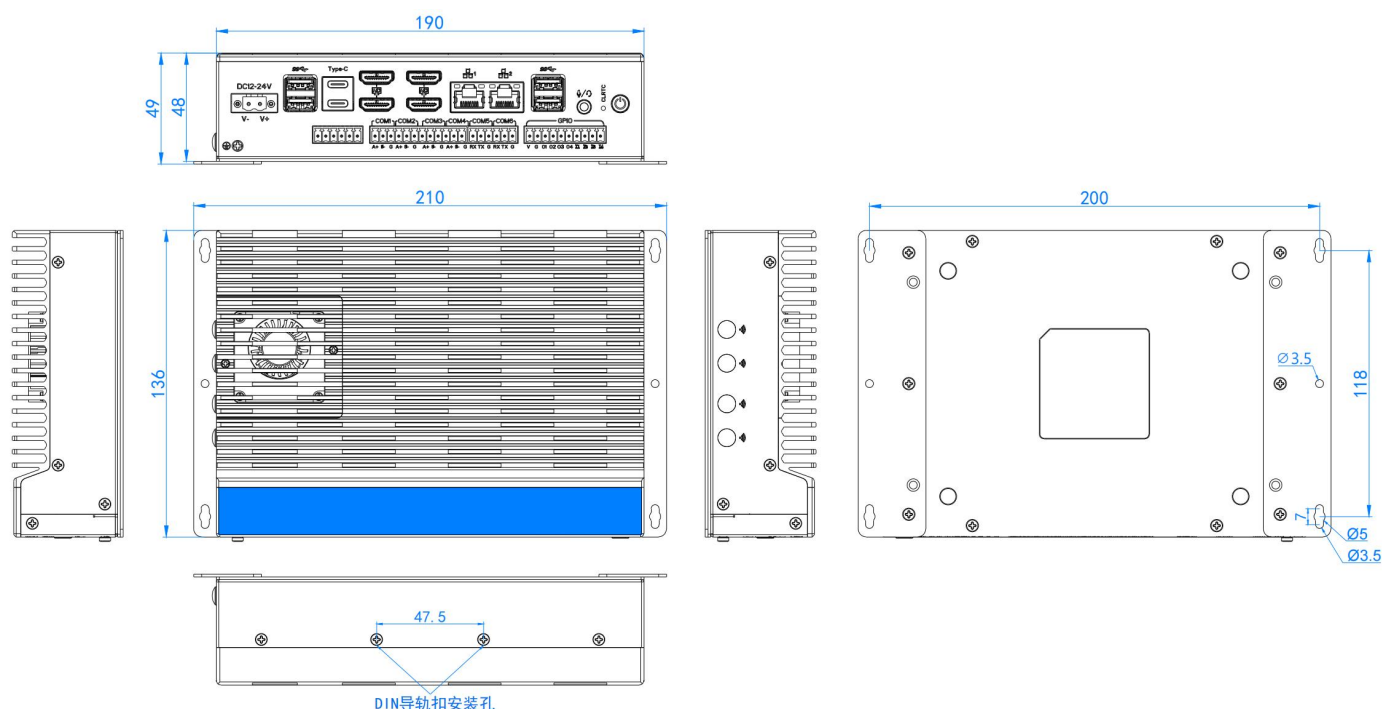
## Specification

|                |                                                                                                                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model          | IBOX-3426-A                                                                                                                                                                                                                                                                                                                                |
| Material       | Premium aluminum alloy + sheet metal structure                                                                                                                                                                                                                                                                                             |
| Processor      | Onboard Intel® Core™ Ultra 5 125U (12C/14T, up to 4.3 GHz)<br>Optional Ultra7 155U, Ultra7 155H, Ultra5 225U                                                                                                                                                                                                                               |
| RAM            | 1× DDR5 5600 MHz SODIMM, up to 32GB                                                                                                                                                                                                                                                                                                        |
| BIOS           | AMI EFI BIOS                                                                                                                                                                                                                                                                                                                               |
| NPU            | Intel® AI Boost (Max Frequency 1.4 GHz)                                                                                                                                                                                                                                                                                                    |
| Display Chip   | Intel® Graphics                                                                                                                                                                                                                                                                                                                            |
| Display Port   | 4× HDMI, 2× Type-C (sync/async quad display, up to 4096×2160 @ 60Hz)                                                                                                                                                                                                                                                                       |
| I/O Port       | 2× Intel 2.5G LAN, 2× USB 3.1, 2× USB 2.0 (optional 1×2.5G LAN)<br>4× HDMI, 2× Full-function Type-C (DP / USB 3.2 / PD 5V 1A)<br>1× 2P DC input, power button, 1× audio combo jack, CLRTC button<br>1× 4-in/4-out GPIO (optically isolated, 9–36V support), 6× COM (COM1–4: RS485, COM5–6: RS232)<br>2× M.2 2280 M-key (NVMe, PCIe 4.0 x4) |
| Expansion Slot | 2× Mini PCIe (supports 4G/WiFi, PCIe + USB 2.0 ), 2× onboard SIM slots<br>1× M.2 2230 E-key (supports WiFi/BT, PCIe + USB + CNVio2 )<br>Optional (not populated by default): 8× GPIO                                                                                                                                                       |
| Network        | 2× Intel I226-V 10/100/1000/2500M Ethernet (optional 3× LAN)<br>LAN1 optional Intel I226-LM 2.5 Lan, Support Intel vPro (not populated by default)                                                                                                                                                                                         |
| Storage        | 2× M.2 2280 M-key; optional 1× 2.5" drive bay                                                                                                                                                                                                                                                                                              |
| Input Voltage  | DC 12–24V wide voltage input, 2-pin 5.08mm Phoenix connector                                                                                                                                                                                                                                                                               |
| Other Function | Power-on, Time-on, Wake-on-LAN, UEFI PXE boot, watchdog (0–255 levels), TPM 2.0                                                                                                                                                                                                                                                            |
| Work Temp      | 0°C to +40°C (commercial HDD), -20°C to +50°C (industrial SSD), with airflow                                                                                                                                                                                                                                                               |
| Work Humidity  | 5%–95% (non-condensing)                                                                                                                                                                                                                                                                                                                    |
| Certificates   | CE、CCC、FCC Class A、RoHS                                                                                                                                                                                                                                                                                                                    |
| Dimension      | 190×136×48 mm (excluding wall-mount bracket)                                                                                                                                                                                                                                                                                               |
| Net Weight     | 1.49kg(including wall-mount bracket)                                                                                                                                                                                                                                                                                                       |

## Specification

Application Industrial automation, medical, logistics & warehousing, machine vision, etc.

# IBOX-3426-A Drawing



## Packing list

| Name          | Quantity | Note            |
|---------------|----------|-----------------|
| Power adapter | 1        | 12V-7.5A        |
| Power cable   | 1        | CN、US、UK、EU.etc |
| Qualification | 1        | Yanling/Neutral |
| Warranty Card | 1        | Yanling/Neutral |
| VESA mount    | 2        | Standard        |

## Order Information

|                 |            |                                                            |                                                      |
|-----------------|------------|------------------------------------------------------------|------------------------------------------------------|
| Configuration 1 | IBOX-3426A | Intel Ultra5<br>125U, <b>2LAN</b> /4USB/Type-C/6COM / GPIO | Standard I/O                                         |
| Configuration 2 |            | Intel Ultra5<br>125U, <b>3LAN</b> /2USB/Type-C/6COM / GPIO | Standard I/O (Inventory inquiries please contact us) |



2 LAN



3 LAN