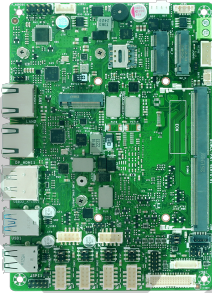


BIWCL-PAT Industrial PC



- Intel® Core 3 304/305, Core 5 315/320/330, Core 7 350/360
- Support Triple display: LVDS /1xHDMI®/1xDP
- Support DDR5-6400MHZ SO-DIMM, max 64GB
- 1 x Intel i226-LM 2.5G LAN & 1 x Intel i226-V 2.5G LAN
- 2 x USB3.2 Gen2, 4 x USB2.0
- 2 x RS232/422/485, 2 x RS232
- 1x M.2 B key 3042/3052 support PCIe4.0 x1 + USB3.2 w/ SIM slot for 4G/5G module
- 1x M.2 M key 2242/2280 support PCIe4.0 x2 for NVMe storage
- 1x M.2 E key 2230 support PCIe4.0 x1 +USB2.0 for WIFI/BT module
- DC-IN 9~24V

Specification

CPU SUPPORT	Intel® Wildcat Lake Processor Intel® Core 3 304/ 305 Intel® Core 5 315/ 320/ 330 Intel® Core 7 350/ 360
MEMORY	1 x 262-pin DDR5-6400Mhz SO-DIMM, up to 64GB
EXPANSION SLOT	1 x M.2 B key 3042/3052 support PCIe4.0 x1 + USB3.2 w/ SIM slot for 4G/5G module 1 x M.2 M Key 2242/ 2280 support PCIe4.0x2 storage 1 x M.2 E key 2230 support PCIe4.0 x1 +USB2.0 for WIFI/BT module
GRAPHICS	Intel® Integrated Graphics, support triple display - 1 x HDMI® 2.1 connector (3840*2160 @60Hz) - 1 x DP1.4 (4096 x 2160@60Hz) - 1 x LVDS (1920x1200@60Hz)
AUDIO	Audio Codec: ALC897 w/ ALC105, support 4 ohm 2W amplifier
LAN	Dual 2.5GbE 1 x Intel i226-LM 1 x Intel i226-V
SUPER I/O CHIP	IT8786E-I
REAR I/O	1 x HDMI® connector 1 x DP connector 2 x USB3.2 Gen2 Type A connector 2 x USB2.0 connector 2 x RJ45 connectors, support 2.5G

INTERNAL I/O	Expansion slots - 1 x 262-pin DDR5 SO-DIMM sockets (DIMM1) - 1 x M.2 Key B with SIM Card Slot (M2_B) (SCN1) - 1 x M.2 Key E (M2_E) - 1 x M.2 Key M (M2_M) Display - 1 x 2*15 pin header for LVDS (LVDS1) - 1 x 2*3 pin header for LCD voltage select (3.3V/5V/12V)(default: 3.3V) (JP5) - 1 x 1*8 pin pitch 1.25 box header for LVDS Inverter (CN2) Audio - 1 x 2*5 pin box header for MIC_in, Line_out, Line_in (F_AUDIO1) - 1 x 1*4 pin box header for Speaker_out (JSPK1) - 1 x Buzzer (BUZZ1) USB - 1 x 2*5 pin header, support 2 x USB2.0 (F_USB1) Power - 1 x 1*2 pin phoenix connector (DCIN1) - 1 x 1*4 pin box header (DCIN2) - 1 x 1*3 pin header for AT/ATX power select. (default: ATX) (JAT_ATX1) Serial Port - 2 x 2*5 box header for RS232 (COM1,COM2) - 2 x 2*5 box header for RS232/422/485 (COM3,COM4) - 4 x 2*3 pin header for voltage select for RI/5/12V switch (default is NC). (JP1, JP2, JP3, JP4) Others - 1 x 1*2 pin battery header (BAT1) - 1 x 2*5 pin 8-bit DIO header (JDIO) - 1 x 1*3 pin DIO voltage select header, support 3.3V/5V (default: 5V) (JDIO_PWR) - 1 x 1*5 pin DIO for Volume UP/DOWN & LCD Brightness UP/DOWN Header (VOL/LCDBR) - 1 x 1*4 pin CPU PWM Fan connector (CN1) - 1 x 1*2 pin clear CMOS header (JCMOS1) - 1 x 1*4 pin I2C header (JI2C) - 1 x 1*5 pin SMBUS header (JSMB) - 1 x Power LED onboard for APCI power status (LED1) - 1 x 2*5 pin front panel header (JW_FP) TPM2.0 onboard
DIMENSION	148 x 102 x 1.6 mm
ENVIRONMENT	0°C ~ 60°C Humidity : 5% ~ 90%
OS SUPPORT	Support Windows 11 IoT Enterprise 24H2 or later version Support Ubuntu 24.04

*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!