IWILL IBOX-718C

Fanless Industrial Computer • 1 PCIe x16 Slot • Low-profile Chassis
Intel® Core™ 12th–14th Gen • Q670 • DC 12–28V wide input

The IWILL IBOX-718C is the low-profile member of the IBOX-718 family: the same Intel® Core™ 12th–14th Gen Q670 platform, DDR5 memory, quad 4K display and full industrial I/O, in a flat 96 mm-high fanless chassis with one PCIe x16 slot for an I/O, capture or network card. A 12–28V wide-range DC input suits control cabinets and vehicle installations.



Key features

- 1× PCIe x16 slot — low-profile 96 mm chassis
- DC 12–28V wide-range input
- Intel® Core™ 12th–14th Gen (LGA1700), Q670 chipset
- 2× DDR5 SO-DIMM, up to 64 GB
- 4× M.2 + 1× Mini-PCIe; 4G / 5G with Nano-SIM
- 4× GbE LAN (Intel® vPro® / AMT), 8× USB 3.1
- 6× COM (4× RS485, 2× RS232), isolated GPIO

SYSTEM	
Model	IBOX-718C — titanium grey (custom colours available)
Chassis	High-quality aluminium alloy with stainless-steel structure
Processor	Configurable Intel® Core™ 12th / 13th / 14th Gen desktop (Alder Lake-S / Raptor Lake-S), LGA1700 socket
Chipset	Intel® Q670 (W680 optional)
Memory	2× DDR5 SO-DIMM, 4800 / 5600 MHz, up to 64 GB
Graphics	Integrated Intel® UHD Graphics 730 / 770; 1× PCIe x16 slot for expansion cards
Storage	2× M.2 2280 M-key (1× PCIe 4.0 x4 / SATA, 1× PCIe 4.0 x4 NVMe) + 2× 2.5" SATA bays
Operating system	Windows 10 / 11, Linux
Management	Power-on after power restore, scheduled power-on, Wake-on-LAN, PXE, watchdog (0–255)

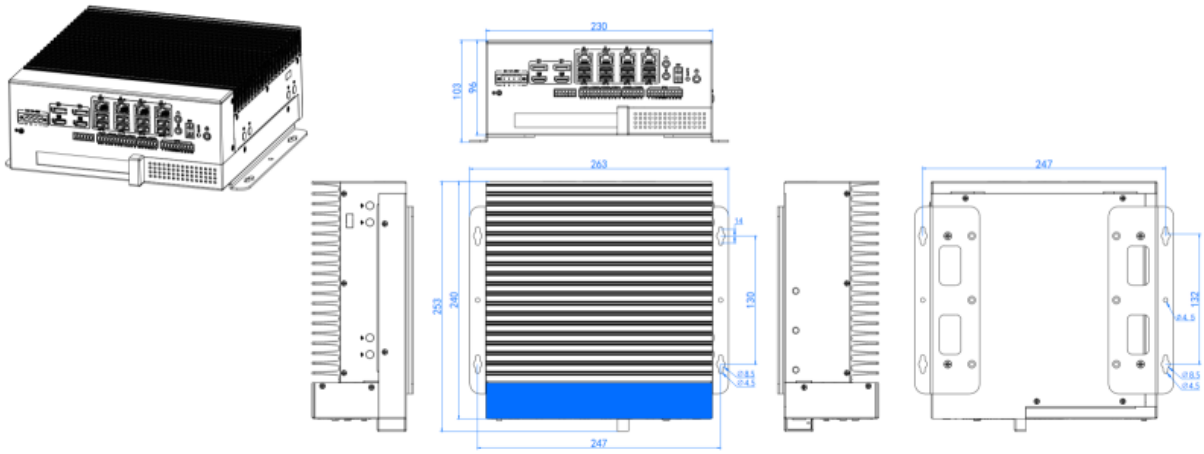
DISPLAY & NETWORK	
Display outputs	2× HDMI + 2× DisplayPort — up to 4 independent UHD displays (sync / async)
Network	4× Gigabit LAN: 3× Intel® i210-AT + 1× Intel® i219-LM (vPro® / AMT)

I/O & EXPANSION	
I/O ports	8× USB 3.1, 4× GbE LAN, 6× COM (COM1–4 RS485, COM5–6 RS232), 2× HDMI, 2× DP, 4-in / 4-out optically isolated GPIO, 4-pin remote power switch, CLRTC button, mic / speaker, 6-pin Phoenix terminal (customisable), power button
PCIe slots	1× PCIe x16 (x16 signal); max card size 215 × 21 × 112 mm (L × W × H)
M.2 / Mini-PCIe	1× M.2 3052/3042 B-key (4G / 5G) + Nano-SIM; 1× M.2 2230 E-key (Wi-Fi / BT); 1× Mini-PCIe (PCIe + USB)
Optional	8× GPIO, 3× USB 2.0 — not on standard build

POWER & ENVIRONMENT	
Power input	DC 12–28V wide input, 4-pin Phoenix connector (5.08 mm), 150 W adapter
Operating temp.	0°C to +50°C (commercial HDD) | –20°C to +60°C (industrial SSD)
Humidity	5%–95%, non-condensing
Certifications	CE, CCC, FCC Class A, RoHS

MECHANICAL	
Dimensions	230 × 253 × 96 mm (excl. wall-mount brackets)
Weight	5.43 kg
Applications	Industrial automation and control cabinets, edge computing, healthcare, logistics and transportation, warehousing, machine vision

DIMENSIONS



Mechanical drawing (mm)

ORDERING INFORMATION

Configuration	Processor options	Build
IBOX-718C-i3	Intel® Core™ i3-12300T / 13100T / 14100T	Standard ports, 1× expansion slot
IBOX-718C-i5	Intel® Core™ i5-12500T / 13500T / 14500T	Standard ports, 1× expansion slot
IBOX-718C-i7	Intel® Core™ i7-12700T / 13700T / 14700T	Standard ports, 1× expansion slot

PACKING LIST

In the box	Qty	Specification
Power adapter	1	4-pin 150 W (12V / 12.5 A)
Power cord	1	CN / US / UK / EU
Wall-mount brackets	2	Standard

Configurable platform — processor, memory, storage, expansion and wireless confirmed per order. Specifications subject to change without notice. © IWILL.