

RUGGED PORTABLE COMPUTER



17.3" LCD 1920x1080 Rugged Aluminum Construction with Shock Absorbing rubber corners, Support ATX Motherboard, Intel Core i7 12700 RUBY-D813-H610E Chipset: Intel® H610E, DP+VGA+HDMI

Model: BPCW1730-i7-27

FEATURES:

- Rugged Aluminum Construction with shock absorbing rubber corners
- 17.3" LCD display, 1920x 1080 resolution
Anti-reflection tempered strengthen glass
Option: 17.3", 3840x 2160 resolution
- Support ATX Motherboard with 7-slot
- Industrial Keyboard multi-language with touchpad
- Offer 2x 5.25", 1x 3.5" drive bay
- Option: 1x 5.25", 2x 3.5" drive bay
- Trolley case to manage portable PC with ease

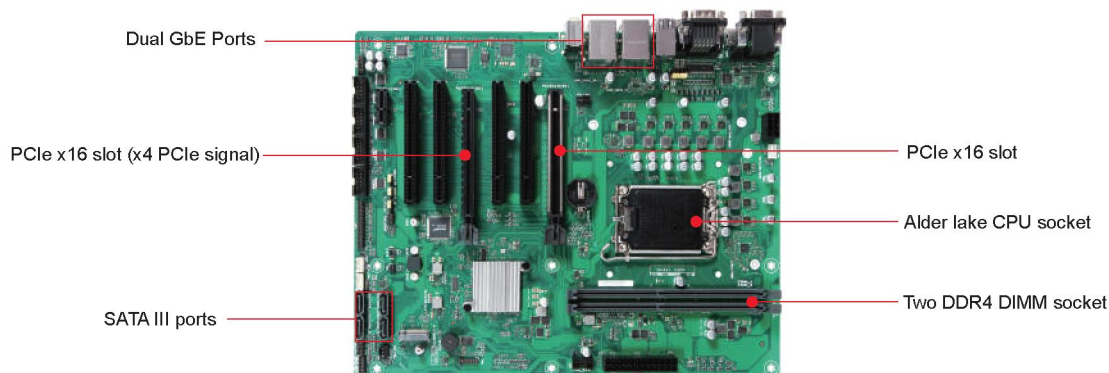


SPECIFICATION:

Motherboard	Rugged portable enclosure with rubber corners.
Display	17.3" TFT Color Display with protective glass, VGA cable
LCD	1920x1080 Resolution
K/B & Mouse	Detachable industrial USA language keyboard w/touchpad
CPU Processor	Intel Core i7 12700 - 2.1 GHz - 12-core - 20 threads - 25 MB cache (up to 4.9GHz)
CPU Fan	Low Heatsink and fan
Motherboard	"MPN: RUBY-D813-H610E Chipset: Intel® H610E
Memory	2x slots (upto 64GB)
Slots	2 x PCIe x16(1x PCIe x4 signal), 1x PCIe x1, 4x PCI slots
On-Board Audio	Audio jack with Line-out/Mic-in via Realtek ALC897 audio controller
LAN	Intel® I219V and Intel® I210AT Ethernet controller, 2x RJ45 connectors on rear I/O
Form Factor	ATX 12" x 9.6" (30.48cm x 24.38cm)
DP	One DP port on rear I/O, resolution up to 4096x2160
VGA	One VGA port on rear I/O, resolution up to 1920x1200
HDMI	One HDMI connector on rear I/O, resolution up to 4096x2160
Memory	16GB DDR5 Memory (8GBx2)
Graphic Controller	Intel® UHD Graphics 630 supporting DirectX 12, OpenGL 4.5
USB Ports	"Rear I/O USB (Total 8 ports): 4 x USB 3.2 Gen 2, 4 x USB 2.0 ports
Front USB	2 x USB 2.0 ports"
Open Slots	2 x PCIe x16(1x PCIe x4 signal), 1x PCIe x1, 4x PCI slots
HDD	1x 3.5" 1TB Hard Drive, SATA, 7200 RPM
LAN	2x RJ45 GbE LAN ports. Intel® I219V and Intel® I210AT Ethernet controller
Optical Drive	Slim DVDRW Internal Optiocal Disk Drive
Power Supply	100V - 240V AC, 600W ATX power supply
OS	Windows 11 Pro 64-bit Media + Installation
Carrying Bag	Complimentary carrying bag with wheels
Dimension	443.42x 389.59x 281 mm (Wx Hx D)
Warranty	One year parts and labor Support

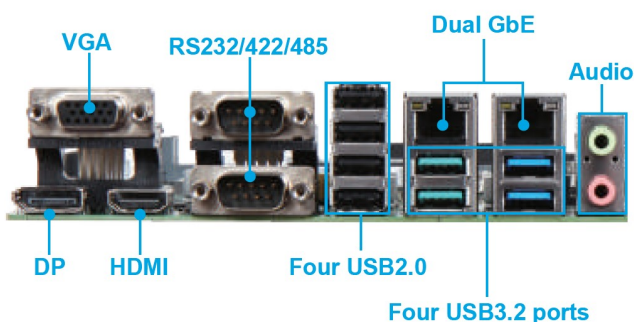
*Specifications subject to change without notice, not responsible for typographical errors.

MOTHERBOARD SPECS:



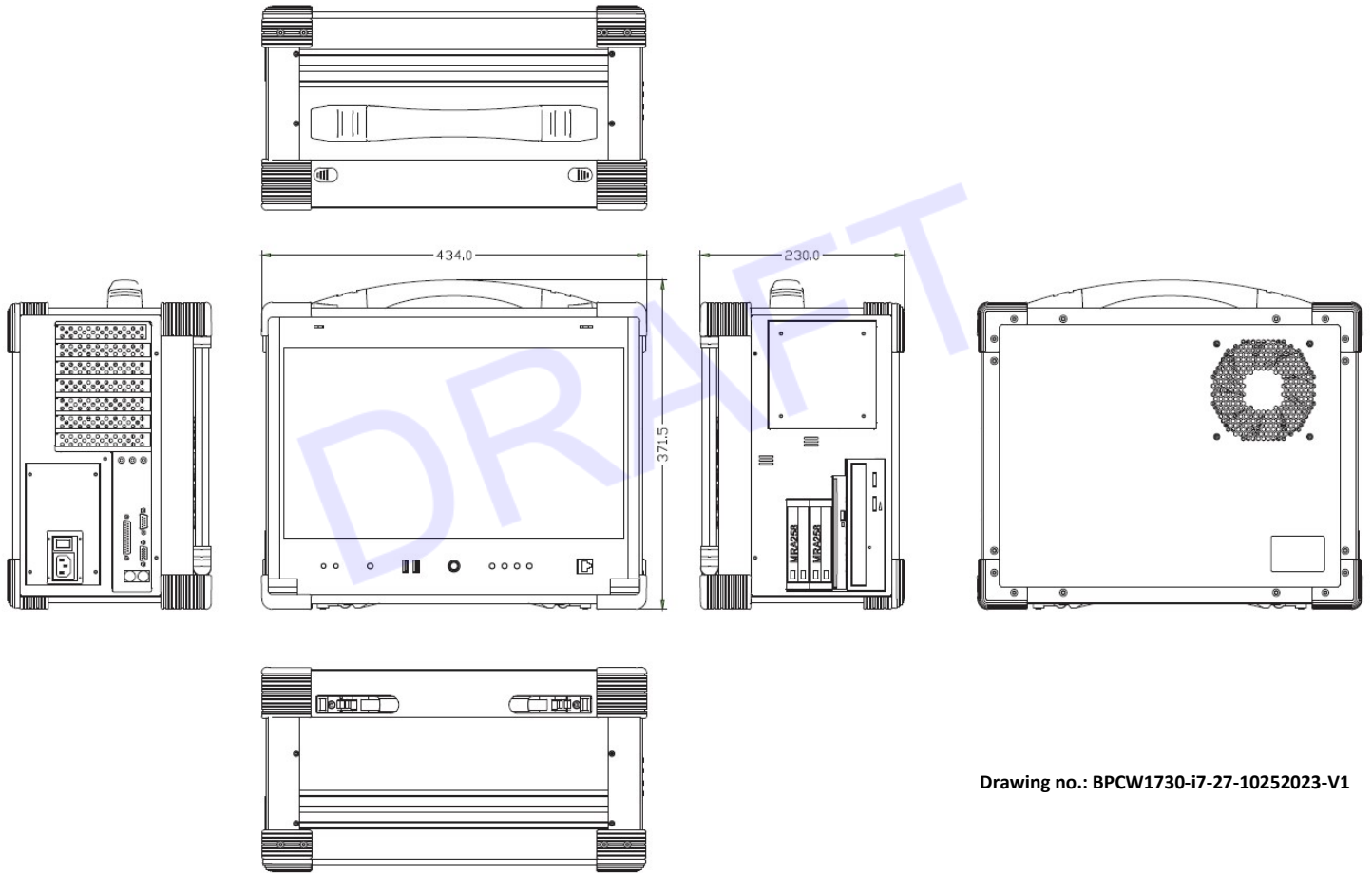
General	
Processor	12 th /13 th Gen Intel® Core™ Processors in LGA1700 package
Chipset	Intel® H610E
BIOS	AMI uEFI BIOS
Memory	Support up to 64GB DDR4 up to 3200MHz Non-ECC on two Long-DIMM sockets
Storage Devices	4x SATAIII ports
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	-2x PCIe x16 (1x PCIe x4 signal) -1x PCIe x1 slot -4x PCI slots -1x M.2 (M key) size 2242/2260/2280 (SATA/PCIe x1 mode)
I/O Interface	
Super I/O	Nuvoton NCT6126D
Audio	Audio jack on rear I/O with Line-out/Mic-in with Realtek ALC897 audio controller
Ethernet	Intel® I219V and Intel® I210AT Ethernet controller; 2x RJ45 connectors on rear I/O
Serial Port	-2x RS232/422/485 ports, one on rear I/O, one on board header -4x RS232 ports on pin header
USB	-4x USB3.2 (Gen2) and 4x USB 2.0 ports on rear I/O -2x USB2.0 on pin header
GPIO	8-bit configurable controlled by embedded controller
Display	
Graphic Controller	Intel® UHD Graphics 630 supporting DirectX 12, OpenGL 4.5
Display Interface	-DP: One DP port on rear I/O, resolution up to 4096x2160 -VGA: One VGA port on rear I/O, resolution up to 1920x1200 -HDMI: One HDMI connector on rear I/O, resolution up to 4096x2160
Mechanical & Environment	
Dimension	(L)304.5 x (W)243.8 x (H)1.6mm
Power Supply	ATX power input
Environment	-Operation Temperature: 0°C to 60°C -Storage Temperature: -20°C to 80°C -Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 100,000 hours at 40°C

REAR I/O



MECHANICAL DRAWINGS:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



Drawing no.: BPCW1730-i7-27-10252023-V1