

BEDROCK-PC-R7000

Fanless DIN-Rail Bedrock PC



Specifications

CPU

- AMD® Ryzen™ 7040 Series CPU:

AMD® Ryzen 3 7440HS 3GHz
AMD® Ryzen 7 7840U 3.3GHz
AMD® Ryzen 7 7840HS 3.8GHz

Memory

- 2x 262-pin SO-DIMM sockets
- Supports up to 64GB DDR5 4800, unbuffered, None ECC or ECC

Chipset

- AMD® Ryzen™ SoC

Graphics

- Integrated in CPU AMD® Radeon™ Graphics 780M
Support DirectX 12_2, OpenGL 4.6, OpenCL 2.1, Quad View
- Video ports: HDMI, DisplayPort, 2xMini-DisplayPort
- HDMI: resolution up to 7680x4320 @ 60Hz
- DP: resolution up to 7680x4320 @ 60Hz
- Mini-DP: resolution up to 7680x4320 @ 60Hz

Ethernet

- 2x Intel® i226 2.5 Gigabit Ethernet Controller

Storage / Drive Bays / Slots

- 1x 2280 M.2 M-Key (PCIe x4 Gen4) NVMe Slot
Optional with SX module:
- 2x 2280 M.2 M-Key (PCIe x4 Gen4) NVMe Slot
- 1x M.2 2230 E-Key for Wifi/BT
- 1x M.2 3042/3052 B-Key for 4G/5G

Front I/O

- 3x USB 3.2 Gen2 5Gb/s, 1x USB 3.2 Gen2 10Gb/s
- HDMI, DP, 2xMini-DP, 2x RJ45 LAN
- 1x mini-USB Serial connector

Top I/O

- 1x DC-in Terminal Block, 1x Remote PWR connector
- 4x SMA for WiFi/4G Antennas (Optional)

Rear I/O

- 2x Nano-SIM Trays (Optional)

Other Internal Connectors / Functions

- TPM Integrated

Power Supply

- Power input: 12-24V Direct DC-in
Optional with PM module:
- Power input: 12-60V Wide Range DC-in

Cooling

- Passive Fanless

Mechanical

- Full-Aluminum IP40 Chassis
- Mounting: Desktop, Wall, DIN-rail
- Power / Reset Button in front

Dimensions

- Dimension (W x H x D mm): 29 x 160 x 130 mm (Tile)
Optional: 45 x 160 x 130 mm (R7X30); 73 x 160 x 130 mm (R7X60)
- Weight: X kg

Environment

- Operating Temperature: -40°C to 85°C (Standart Temp Optional)
- Storage Temperature: -X°C to X°C
- Humidity: 10 ~ 90%, non-condensing

Certifications

- CE, FCC

Operating System Support

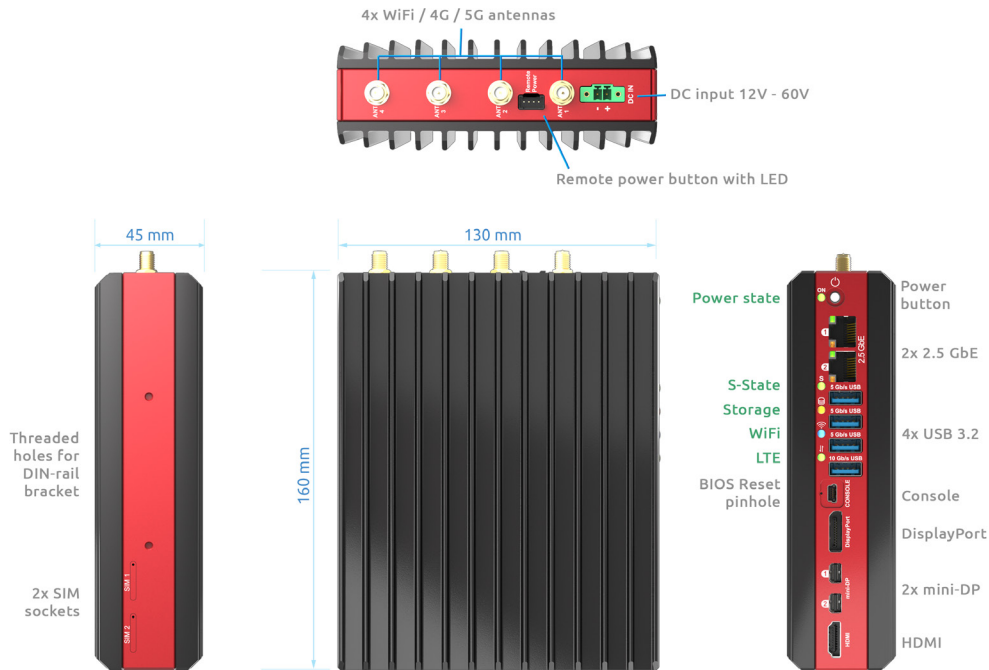
- Windows 11 / 11 Pro
- Linux OS

Ordering Information

#BEDROCK-PC-R7000-Tile
#BEDROCK-PC-R7000-R7X30
#BEDROCK-PC-R7000-R7X60

BEDROCK-PC-R7000

I/O Details & Dimensions



Ordering Information

more configurations on request

PN	CPU/SOC	SX Module	PM Module	Enclosure	Top panel	Rear panel
BEDROCK-PC-R7000-Barebone	7440HS	No	No	No	No	No
BEDROCK-PC-R7000-Barebone	7840U	No	No	No	No	No
BEDROCK-PC-R7000-Barebone	7840HS	No	No	No	No	No
BEDROCK-PC-R7000-Tile	7440HS	No	No	Tile	Generic	Generic
BEDROCK-PC-R7000-Tile	7440HS	No	Yes	Tile	Generic	Generic
BEDROCK-PC-R7000-Tile	7440HS	Yes	No	Tile	4xSMA	2xSIM
BEDROCK-PC-R7000-Tile	7440HS	Yes	Yes	Tile	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X30	7840U	No	No	R7X30	Generic	Generic
BEDROCK-PC-R7000-R7X30	7840U	No	Yes	R7X30	Generic	Generic
BEDROCK-PC-R7000-R7X30	7840U	Yes	No	R7X30	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X30	7840U	Yes	Yes	R7X30	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X30	7440HS	No	No	R7X30	Generic	Generic
BEDROCK-PC-R7000-R7X30	7440HS	No	Yes	R7X30	Generic	Generic
BEDROCK-PC-R7000-R7X30	7440HS	Yes	No	R7X30	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X30	7440HS	Yes	Yes	R7X30	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X60	7840U	No	No	R7X60	Generic	Generic
BEDROCK-PC-R7000-R7X60	7840U	No	Yes	R7X60	Generic	Generic
BEDROCK-PC-R7000-R7X60	7840U	Yes	No	R7X60	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X60	7840U	Yes	Yes	R7X60	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X60	7840HS	No	No	R7X60	Generic	Generic
BEDROCK-PC-R7000-R7X60	7840HS	No	Yes	R7X60	Generic	Generic
BEDROCK-PC-R7000-R7X60	7840HS	Yes	No	R7X60	4xSMA	2xSIM
BEDROCK-PC-R7000-R7X60	7840HS	Yes	Yes	R7X60	4xSMA	2xSIM