# SolidRun Bedrock V3000 Basic Specifications

| Feature | Specification | Notes |
|---|---|---|
| CPU | AMD Ryzen™ Embedded V3000 Series<br>8C/16T Zen3+ 6nm<br>Up to 3.8 GHz<br>Up to 45W | |
| RAM | Quad channel DDR5-4800 up to 64 GB ECC / non-ECC | 2x SODIMM<br>RAM is conduction cooled |
| Main storage | NVMe PCIe Gen4 x 4 | M.2 key-M 2280<br>Optional power-loss-protection<br>NVMe is conduction cooled |
| Extra storage | 2x NVMe PCIe Gen4 x 4 | 2x M.2 key-M 2280<br>NVMe devices are conduction cooled |
| LAN | 2x 10 GbE (native, supports fiber / copper)<br>4x 2.5 GbE (Intel I226) | 2x SFP+<br>4x RJ45 |
| WLAN | WiFi 6E (Intel AX210)<br>BT 5.3 | 2x RP-SMA antennas<br>Optional and upgradable (M.2 key-E 2230) |
| Modem | 4G / 5G (Quectel) | 2x SMA antennas<br>Optional and upgradable (M.2 key-B 3042 / 3052) |
| USB | 3x USB 3.2 gen 2 10 Gb/s<br>1x USB 2.0 | Connectors:<br>4x USB type-A |
| Console | Serial over USB | mini-USB connector |
| BIOS | AMI Aptio V | Dual SPI FLASH for redundancy<br>Console redirection |
| Operating systems | Windows 10/11/IoT, Linux | Other x86 operating systems supported |
| Power | DC 12V-60V | Phoenix terminal<br>Other DC connectors available |
| Temperature range | 0ºC to 70ºC | -40ºC to 85ºC to be available in 2023 |
| Enclosure | All aluminum enclosure, fanless cooling | |
| Dimensions | 30W model:<br>45 mm (W) x 160 mm (H) x 130 mm (D) - 0.9 liter<br><br>60W model:<br>73 mm (W) x 160 mm (H) x 130 mm (D) - 1.5 liter<br><br>Tile model:<br>29 mm (W) x 160 mm (H) x 130 mm (D) - 0.6 liter | |
| Mounting | DIN-rail, wall, table top | |