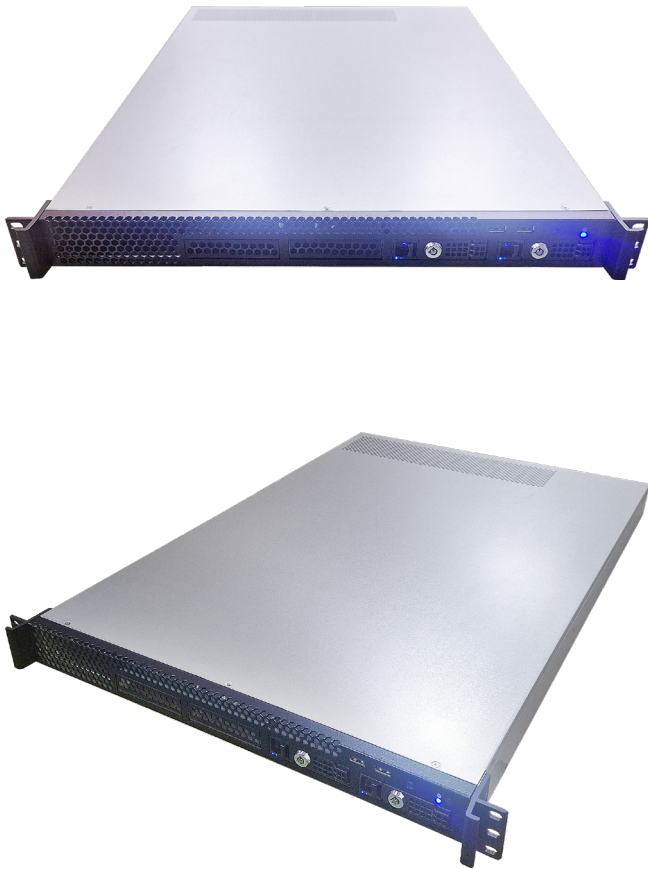


# RM810-ERX810

C741

5th/4th Gen Intel® Xeon® Scalable Family  
Rackmount Edge-Server System

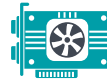


## KEY FEATURES



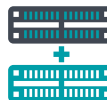
### 1U Rackmount system

Dual 5th/4th Gen Intel® Xeon® Scalable Family support



### Single PCIe expansion

Supports single-slot GPU/IO card



### High-Availability Storage

up to 4 hot-swappable 3.5"/2.5" drive bays



### Versatile I/O

4 GbE, 1 IPMI LAN, 4 USB 3.2, 1 DP,  
1 M.2 2280 M-Key, 1 COM

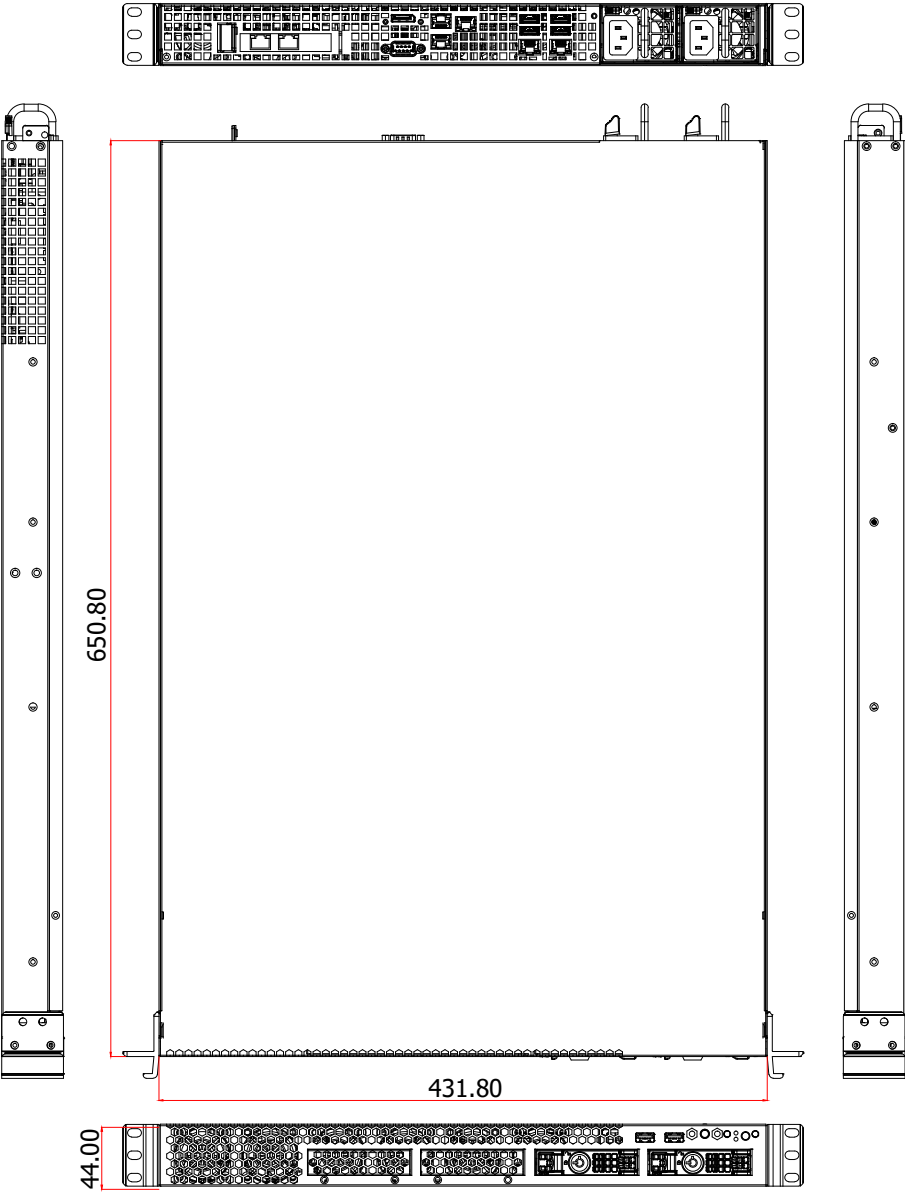


### IPMI

OOB remote management



DIMENSIONS



SPECIFICATION

|                              |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM                       | Processor              | 5th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket:<br>Intel® Xeon® Gold 5515+ Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 165W<br>Intel® Xeon® Silver 4514Y Processor (16 Cores, 30 MB Cache, up to 3.4 GHz); 150W<br>Intel® Xeon® Silver 4510 Processor (12 Cores, 30 MB Cache, up to 4.1 GHz); 150W<br>Intel® Xeon® Silver 4510T Processor (12 Cores, 30 MB Cache, up to 3.7 GHz); 115W<br>Intel® Xeon® Silver 4509Y Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 125W<br><br>4th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket:<br>Intel® Xeon® Gold 5418N Processor (24 Cores, 45 MB Cache, up to 3.80 GHz); 165W<br>Intel® Xeon® Gold 5415+ Processor (8 Cores, 22.5 MB Cache, up to 4.10 GHz); 150W<br>Intel® Xeon® Silver 4416+ Processor (20 Cores, 37.5 MB Cache, up to 3.90 GHz); 165W<br>Intel® Xeon® Silver 4410T Processor (10 Cores, 26.25 MB Cache, up to 4.00 GHz); 150W<br>Intel® Xeon® Silver 4410Y Processor (12 Cores, 30 MB Cache, up to 3.90 GHz); 150W |
|                              | Chipset                | Intel® C741 Chipset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                              | Memory                 | 16 x ECC-RDIMM up to 1024GB<br>DDR5 Max. 5600MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                              | BIOS                   | Insyde                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                              | Controller             | BMC AST2600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GRAPHICS                     | Display                | 1 x DP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| STORAGE                      | External               | 4 SATA 3.0 (RAID 0/1/5/10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                              | Internal               | 1 M.2 2280 M key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EXPANSION                    | Interface              | 1 x PCIe x16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AUDIO                        | Audio Codec            | ALC888S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ETHERNET                     | Controller             | 4 x Intel® I210<br>IPMI: RTL8211F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| FRONT I/O                    | LED                    | 1 x Power LED<br>1 x Storage LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                              | Ethernet               | 4 x GbE<br>1 x Dedicated IPMI LAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                              | Serial                 | 1 x RS-232/422/485 (DB-9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                              | USB                    | 4 x USB 3.2 Gen1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                              | Display                | 1 x DP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BUTTON                       | Button                 | 1 x Power Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| COOLING                      | Fan                    | 4 CM Fan x 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SECURITY                     | TPM                    | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| POWER                        | Supply                 | 1U redundant PSU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENVIRONMENT                  | Operating Temperature  | 0 to 35°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                              | Storage Temperature    | -30 to 60°C with RTC Battery; -40 to 85°C without RTC Battery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                              | Relative Humidity      | 5 to 90% RH (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MECHANISM                    | Construction           | Heavy Industrial Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                              | Mounting               | Flexible hold down bar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                              | Dimensions (W x H x D) | 431.8 x 650.8 x 44 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                              | Weight                 | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                              | Color                  | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| STANDARDS AND CERTIFICATIONS | Certification          | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

PACKING LIST

|                              |
|------------------------------|
| • 1 RM810-ERX810 System Unit |
|------------------------------|

ORDERING INFORMATION

| Model Name   | Part Number | Description |
|--------------|-------------|-------------|
| RM810-ERX810 | TBD         | TBD         |