

# Orion P5G Technical Specifications

## Rank Server

CPU	Intel Xeon
RAM	32 GB
Storage	SSD 500 GB
Network connectivity	2 x 1 GbE, 2 x SFP+ 10 Gb
Operating temperature range	5 °C to +40 °C
Power supply voltage input	100 - 240V AC
Operating system	Linux Ubuntu 20.04 LTS with 5.4.0-126-lowlatency kernel

## Radio Unit

Dimensions H x W x D / weight	n38, n40 : 148 mm x 200mm x 295 mm / 12 kg n77, n78 : 370 mm x 369.2 mm x 91.3 mm / 15 kg
Frequency bands	n38 (2570-2620 MHz) n40 : (2300-2400 MHz) n77 (3800-4100 MHz) n78 (3400-3800 MHz)
Bandwidth	n38, n40 : 2 x 20W n77, n78 : 2 x 2W
Max transmitted power	n38, n40 : 2 x 20W n77, n78 : 2 x 2W
Operating Temperature Range	-40 °C to +55 °C
IP Rating	n38, n40 : IP 67 n77, n78 : IP 66
Regulatory	CE (Europe), RoHS, WEEE, REACH (UK)

## Core Network software

5G

3GPP LTE release	Release 16
Modules	SMF, AUSF, UDM, AMF, UPF

## Radio Access Network software

5G

3GPP release	Release 16
Frequency bands	All FR1 (< 6 GHz) FDD & TDD bands
Bandwidth	up to 100 MHz, SISO 1x1 and MIMO 2x2
Modulation schemes	Up to 64QAM in DL and 16QAM in UL
Subcarrier spacing	30 kHz

## Accessories

Antenna	Omnidirectional antenna
Cables	SFP cables and localized power cables
SIM card	10 x Sim Cards