NetKonnekt
ENTERPRISE CONNECTIVITY SOLUTIONS

TECHNICAL DATASHEET · NK R700

NK R700

5G Sub-6 + WiFi 7 Fixed Wireless Access CPE Gateway Purpose-built for ISP, Carrier & Enterprise Deployment

- WiFi 7 · 6 GHz
- 5G Sub-6 NR
- Dual SIM Failover
- 2× 2.5 GbE
- 7 SMA Ports
- GNSS GPS supported

5G Modem:Telit Cinterion

5G + WiFi 7	4.6 Gbps	7× SMA	2× 2.5G	Dual SIM	Dual PWR	Qualcomm
TRI-BAND 2.4 / 5 / 6 GHZ	PEAK DL THROUGHPUT	EXTERNAL ANTENNA PORTS	GIGABIT ETHERNET	AUTO CARRIER FAILOVER	12V DC + USB-C 5V	SDX72 Chip

COMPLETE TECHNICAL SPECIFICATIONS

CELLULAR · 5

Generation	5G Sub-6 NR (SA/NSA)
Chipset	Qualcomm SDX72
5G Bands	n2/5/7/12/13/14/25/26/29/30/38/41/48/66/70/71/77/78
Peak DL	~4.6 Gbps (5G)
5G SA Support	Yes — Standalone
Carrier Aggregation	4CA DL / 2CA UL
CBRS (Band 48)	✓ Supported (n48)
Network Slicing	✓ Yes (5G SA)
SIM Slots	Dual SIM (SIM1 + SIM2)
SIM Failover	✓ Auto / Manuel Failover

WIFI · 802.11

Standard	WiFi 7 (802.11be)
Frequency Bands	Tri-Band: 2.4 + 5 + 6 GHz
6 GHz Band	✓ YES — Unique in Class
MIMO Config	2×2 MIMO
MLO	✓ Multi-Link Operation
Security	WPA2 / WPA3-Enterprise
WiFi Antennas	2× External SMA Stub
Throughput	5.8 Gbps
Max Clients	128 user devices

INTERFACES & I/O

Ethernet	2× 2.5 GbE (RJ-45)
Port 1	LAN 1 (2.5G)
Port 2	WAN / LAN 0 (2.5G)
USB	USB-C (power + data)
GNSS Port	✓ Dedicated SMA
Cellular SMA	4× External (paddle)
WiFi SMA	2× External (stub)
Total SMA Ports	7 Total SMA Ports
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POWER & SUPPLY

Dual Power Input	✓ Redundant Inputs
Input 1	12V 3ADC Barrel Connector
Input 2	USB-C 5V/5A (Type-C)
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PHYSICAL & MECHANICAL

Enclosure	Metal chassis + ABS composite
Dimensions (est.)	90 × 90 × 60 mm
Weight (est.)	500 g (semi-ruggedized)
Mounting	Desktop + Wall mounting
IP Rating	IP32
Operating Temp	−20°C to +60°C

MANAGEMENT & SECURITY

Remote Mgmt	TR-069 / NK DMS
OTA Firmware	✓ Batch OTA Update
ZTP	TR-069 / CWMP capable
API	NB Swagger API
VPN	IPsec / OpenVPN
Firewall	SPI Stateful Firewall

Competitive Position: Best-in-Class WiFi 7 6 GHz at Enterprise FWA

Enterprise FWA CPE device NK R700 is the **device** with WiFi 7 + 6 GHz dual- SIM , Dual Power barrel, USB-C Type power input

ABS plastic enclosures — R700 uses industrial metal chassis.

6 GHz — WIFI 7 ONLY IN CLASS

7× — EXTERNAL SMA PORTS

$30/yr — NETCON ACS SUBSCRIPTION

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