Product Family Data Sheet

1.1 Base Station

NOVAR9-302-B4243
Nova R9 3.5GHz 1W (30dBm)
Outdoor Base Station

Voice Service: CSFBNoL TE
Backhaul: Ethernet (Gigabit)
Traffic Management: LIPA/SIPT function
Network Connection Security: IPsec
OAM Protocol: OSL Forum TR-069
Smart SON with Plug & Play support
3GPP Version: R9
Frequency Bands: Band 3/17/38/40/41/42/43
Duplex Mode: TOO/FOO
Channel Bandwidth: 10MHz/20MHz
Max TX Power: 2*1W
MIMO: DL 2*2 MIMO
Synchronization: GPS. OTA
Capacity: 32 active users. 96 connected users
Antenna: External High Gain Antenna
Installation: Outdoor
Operating Temperature Range: -35'C to 55'C/40°F to 131 °F
Power Supply: 100 -240V AC/DC 48V adapter
Power Consumption: <65W



NOVAR9-402-B41
Nova R9 2.5GHz 10W (40dBm)
Outdoor Base Station
and
NOVAR9-402-B4243
Nova R9 3.5GHz 10W (40dBm)
Outdoor Base Station

Voice Service: CSFBNoL TE
Backhaul: Ethernet (Gigabit)
Traffic Management: LIPA/SIPT function
Network Connection Security: IPsec
OAM Protocol: OSL Forum TR-069
Smart SON with Plug & Play support
3GPP Version: R9
Frequency Bands: Band 3/17/38/40/41/42/43
Duplex Mode: TOO/FOO
Channel Bandwidth: 10MHz/20MHz
Max TX Power: 2*1W
MIMO: DL 2*2 MIMO
Synchronization: GPS. OTA
Capacity: 32 active users. 96 connected users
Antenna: External High Gain Antenna
Installation: Outdoor
Operating Temperature Range: -40°C to 55°C / 40°F to 131°F
Power Supply: 1DC 48V
Power Consumption: <190W



Product Family Data Sheet

2.1 CPE

ATOMR9-OD-232-19-B4243
Atom R9 Outdoor 3.5GHz 19.5dBi Outdoor CPE



3GPP: R9, TDD Mode
Band: B42/43
Bandwidth: 5/10/15/20MHz
Output Power: 23dBm (200mW)
Receiving Sensitivity: -94dBm
Ethernet LAN Port:
one RJ-45 port 10/100 auto-sensing, auto MDX
LED Indicators: Power/LTE Signal/LAN Indicator
USIM: Support 1.8/3.3V 2FF USIM
Antenna: 19.5dBi, ±45°or 0/90° polarization
Throughput: DL 110 Mbps, UL 20Mbps
Power over Ethernet

ATOMR9-OD-232-11-B4243
Atom R9 Outdoor 3.5GHz 11dBi Outdoor CPE



3GPP: R9, FDD Mode
Band: LTE B1/B3/B7/B8/B4243
Bandwidth: 5/10/15/20MHz
Output Power: 23dBm (200mW)
Receiving Sensitivity: -94dBm
Ethernet LAN Port:
one RJ-45 port 10/100 auto-sensing, auto MDX
LED Indicators: Power/LTE Signal/LAN Indicator
USIM: Support 1.8/3.3V 2FF USIM
Antenna: 11dBi
Throughput: DL 110Mbps, UL 20Mbps
Power over Ethernet

ATOMR9-ID-232-5-B4243
Atom R9 Indoor 3.5GHz 5dBi Indoor CPE



3GPP: R9, FDD Mode
Band: LTE B1/B3/B7//B8/B4243
Bandwidth: 5/10/15/20MHz
Output Power: 23dBm (200mW)
Receiving Sensitivity: -94dBm
Ethernet LAN Port:
4 RJ-45 port 10/100 auto-sensing, auto MDX
Tel Port: 2 FXS RJ11 Port with Fax Connectivity (T.38 Fax over IP)
LED Indicators: POWER/ WLAN / WPS/ TEL/ MODE/ LTE Signal/ LAN Indicator*4
Antenna: 5dBi
Throughput: DL 110Mbps, UL 20Mbps
WLAN: 802.11bgn, 2*2 MIMO
Support VoIP
USIM: Support 1.8/3.3V 2FF USIM
Surge Protector: Built-in
Optional: External Battery - Talk time (3h) & Standby time (8h)