SKU: SCU2060 N79 5W

5G Sub-6 Small Cell

Askey SCU2060 is an advanced, all-in-one 5G NR gNB solution designed for outdoor deployment, compliant with 3GPP Release 15 Time Division Duplex (TDD) technology.

With a transmission output of 5W per port, the SCU2060 supports Sub-6 GHz frequency bands and is deployed with external antennas. Its low power consumption, combined with a compact and lightweight enclosure, ensures quick and easy installation.

The SCU2060 is equipped with local web-based Graphical User Interface (GUI) software applications for easy configuration and management. In addition, Askey offers a robust, field-proven, all-in-one Device Management Service (EMS) with flexible deployment options either on a public cloud or on-premises, supporting the management of all Askey small cells such as the SCU2060.

The SCU2060 enables operators and verticals to enhance 5G coverage performance effectively and improve 5G network capacity. It also helps reduce the barriers to deploy 5G private network solutions for enterprise applications, particularly in industries, including manufacturing, warehousing, logistics, event venues, mining, and transportation management and operation.

Compact Design | Easy Deployment | High Performance

General

- Frequency Band
  N79 (4.8 ~ 4.9GHz)
- Bandwidth
  100MHz
- TX Power
  10 ~ 37dBm per port
- EIRP
  52dBm (Directional antenna)
  45dBm (Omni antenna)
- Antenna
  External 2x2 MIMO
- LED
  1 LED
- Backhaul
  2.5G WAN/10G SFP+
- Power Supply
  AC90 ~ 264V
- Power Consumption
  <100W
- Active Users
  64
- Time Slot vs Data Rates
  DDDSU: 750Mbps/200Mbps
  DSUUU: 330Mbps/610Mbps
  DDDSU+DDSUU (7:3):
  640Mbps/310Mbps
  4:4 Semi-Synchronous TDD1:
  480Mbps/432Mbps
  7:2 Synchronous TDD:
  765Mbps/216Mbps
  2:6 Semi-Synchronous TDD3:
  320Mbps/648Mbps
  3:5 Semi-Synchronous TDD2:
  380Mbps/540Mbps
- Modulation
  256QAM DL/UL
- Coverage
  LOS 500m for common usage
  (directional antenna)
- Installation
  Wall/Pole mount
- IP Rating
  IP66
- Timing Synchronization
  GPS/PTP

Dimensions

- 321 x 231 x 135 (WxHxD, mm)

Weight

- <10kg

Environmental

- Operating Temperature:
  -40°C ~ 55°C
- Operating Humidity:
  90% maximum, non-condensing

Operations and Maintenance

- IPv4/IPv6
- Local/Remote WebGUI Management
- TR-069/NETCONF
- Fault Management
- Configuration Management
- Performance Management
- Security Management
- Software Upgrade
- KPI Counter

Features

- SA Network Architecture
- 3GPP Release 15
- 3GPP Release 16 Partial
- Radio Link Adaptation
- 64 Active Users
- Integrity – NIA1/NIA2
- Ciphering – NEA1/NEA2
- PCI confliction detection
- Close loop Power Control
- DL/UL Resource Scheduling
- Inter-RAT Handover
- Measurement Report
- NG/Xn Handover
- QOS 5Qi
- DSCP marking - Per 5QI
- VLAN

Ordering Information

- Model Name: NR xCell 60156CW
  SKU: SCU2060 N79 5W
  Certification: TELEC
- Model Name: SCU2060 N79
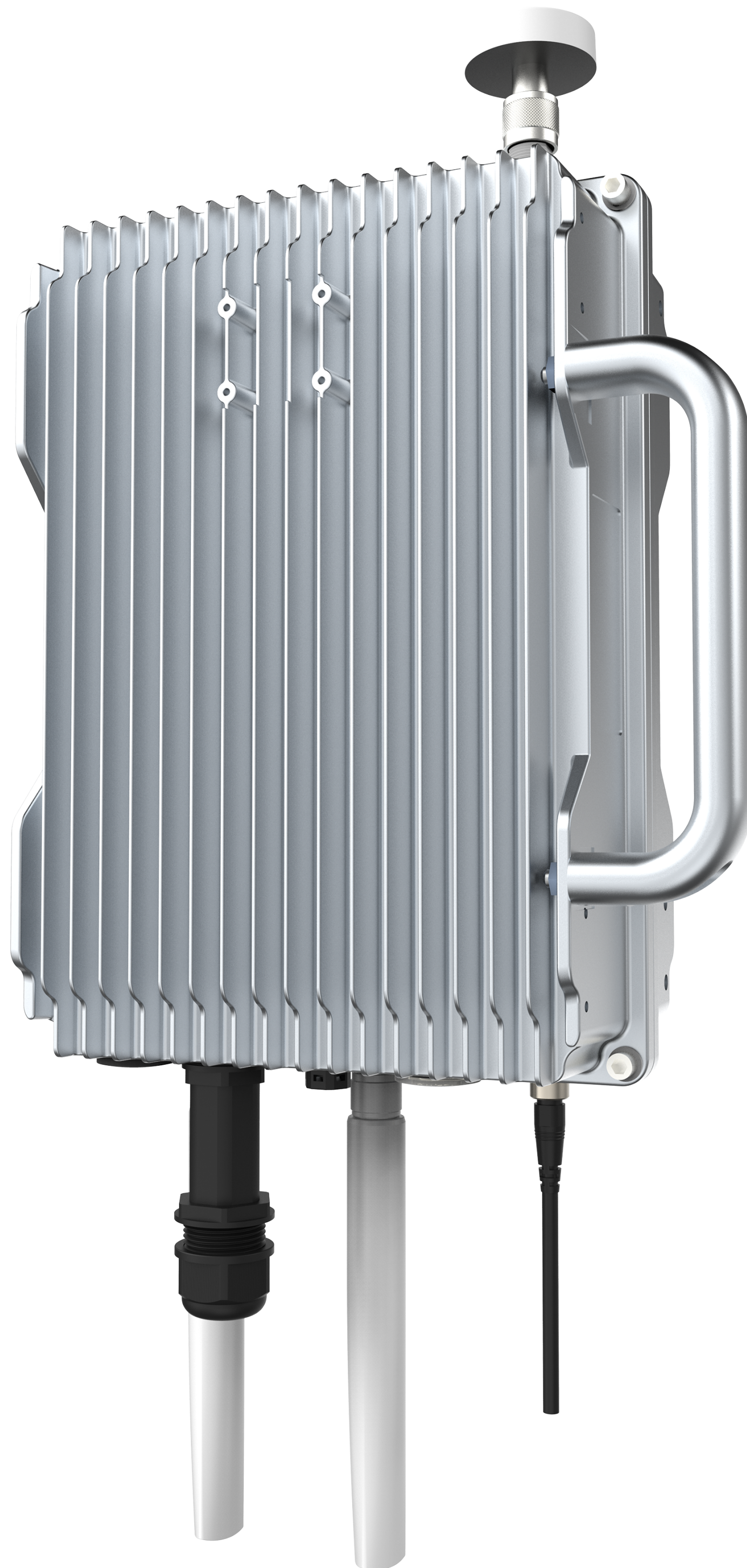 SKU: NR xCell 60156CW
  Certification: NCC

SKU: SCU2070 N78 5W

5G Sub-6 Small Cell

Askey SCU2070 is an advanced, all-in-one 5G NR gNB solution designed for outdoor deployment, compliant with 3GPP Release 15 Time Division Duplex (TDD) technology.

With a transmission output of 5W per port, the SCU2070 supports Sub-6 GHz frequency bands and is deployed with external antennas. Its low power consumption, combined with a compact and lightweight enclosure, ensures quick and easy installation.

The SCU2070 is equipped with local web-based Graphical User Interface (GUI) software applications for easy configuration and management. In addition, Askey offers a robust, field-proven, all-in-one Device Management Service (EMS) with flexible deployment options either on a public cloud or on-premises, supporting the management of all Askey small cells such as the SCU2070.

The SCU2070 enables operators and verticals to enhance 5G coverage performance effectively and improve 5G network capacity. It also helps reduce the barriers to deploy 5G private network solutions for enterprise applications, particularly in industries, including manufacturing, warehousing, logistics, event venues, mining, and transportation management and operation.

Compact Design | Easy Deployment | High Performance

General

- Frequency Band
  N78 (3.7 ~ 3.8GHz)
- Bandwidth
  100MHz
- Max. TX Power
  5W (37dBm) per port
- EIRP
  50dBm (Directional antenna)
  44dBm (Omni antenna)
- Antenna
  External 2x2 MIMO
- LED
  1 LED
- Backhaul
  2.5G WAN/10G SFP+
- Power Supply
  AC90 ~ 264V
- Power Consumption
  <100W
- Active Users
  64
- Time Slot vs Data Rates
  DDDSU: 750Mbps/200Mbps
  DSUUU: 330Mbps/610Mbps
  DDDSU+DDSUU (7:3):
  640Mbps/310Mbps
- Modulation
  256QAM DL/UL
- Coverage
  LOS 500m for common usage
  (directional antenna)
- Installation
  Wall/Pole mount
- IP Rating
  IP66
- Timing Synchronization
  GPS/PTP

Dimensions

- 321 x 231 x 135 (WxHxD, mm)

Weight

- <10kg

Environmental

- Operating Temperature:
  -40°C ~ 55°C
- Operating Humidity:
  90% maximum, non-condensing

Operations and Maintenance

- IPv4/IPv6
- Local/Remote WebGUI Management
- TR-069
- Fault Management
- Configuration Management
- Performance Management
- Security Management
- Software Upgrade
- KPI Counter

Features

- SA Network Architecture
- 3GPP Release 15
- 3GPP Release 16 Partial
- Radio Link Adaptation
- 64 Active Users
- Integrity – NIA1/NIA2
- Ciphering – NEA1/NEA2
- PCI confliction detection
- Close loop Power Control
- DL/UL Resource Scheduling
- Inter-RAT Handover
- Measurement Report
- NG/Xn Handover
- QOS 5Qi
- DSCP marking - Per 5QI
- VLAN

Ordering Information

- Model Name: NR xCell 60156BW
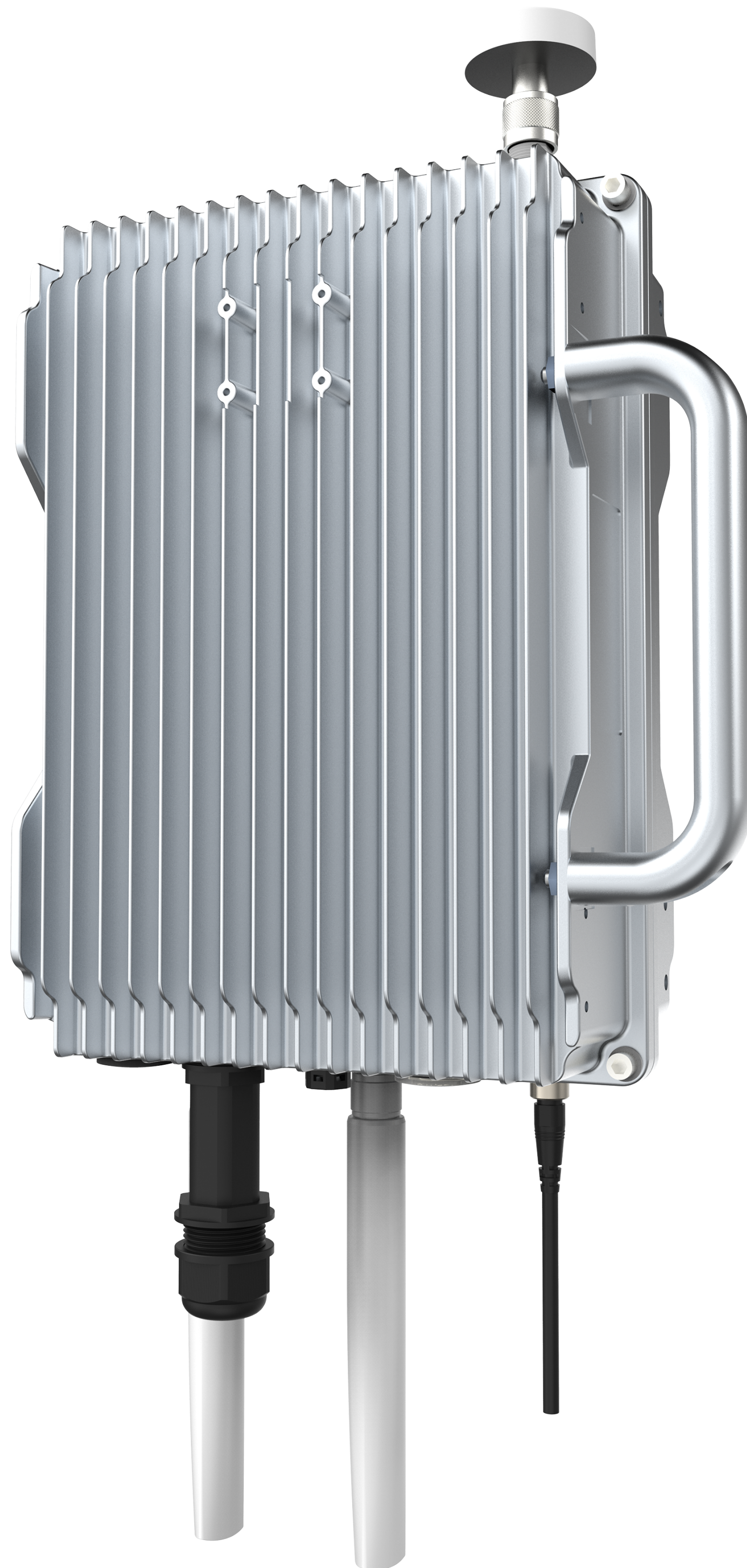 SCU2070 N78 (3.7 ~ 3.8GHz)
  Certification: CE

SKU: SCU2080 N48 5W

5G Sub-6 Small Cell

Askey SCU2080 is an advanced, all-in-one 5G NR gNB solution designed for outdoor deployment, compliant with 3GPP Release 15 Time Division Duplex (TDD) technology.

With a transmission output of 5W per port, the SCU2080 supports Sub-6 GHz frequency bands and is deployed with external antennas. Its low power consumption, combined with a compact and lightweight enclosure, ensures quick and easy installation.

The SCU2080 is equipped with local web-based Graphical User Interface (GUI) software applications for easy configuration and management. In addition, Askey offers a robust, field-proven, all-in-one Device Management Service (EMS) with flexible deployment options either on a public cloud or on-premises, supporting the management of all Askey small cells such as the SCU2080.

The SCU2080 enables operators and verticals to enhance 5G coverage performance effectively and improve 5G network capacity. It also helps reduce the barriers to deploy 5G private network solutions for enterprise applications, particularly in industries, including manufacturing, warehousing, logistics, event venues, mining, and transportation management and operation.

Compact Design | Easy Deployment | High Performance

General

- Frequency Band
  N48 (3.55 ~ 3.7GHz)
- Bandwidth
  20/30/40MHz
- Max. TX Power
  5W (37dBm) per port
- EIRP
  <47dBm (Directional antenna)
  44dBm (Omni antenna)
- Antenna
  External 2x2 MIMO
- LED
  1 LED
- Backhaul
  2.5G WAN/10G SFP+
- Power Supply
  AC90 ~ 264V
- Power Consumption
  <100W
- Active Users
  64
- Time Slot vs Data Rates
  DDDSU@40Mhz BW:
  220Mbps/50Mbps
  DDSUU@40Mhz BW:
  100Mbps/100Mbps
- Modulation
  256QAM DL/UL
- Coverage
  LOS 500m for common usage
  (directional antenna)
- Installation
  Wall/Pole mount
- IP Rating
  IP66
- Timing Synchronization
  GPS/PTP

Dimensions

- 321 x 231 x 135 (WxHxD, mm)

Weight

- <10kg

Environmental

- Operating Temperature:
  -40°C ~ 55°C
- Operating Humidity:
  90% maximum, non-condensing

Operations and Maintenance

- IPv4/IPv6
- Local/Remote WebGUI
  Management
- TR-069
- Fault Management
- Configuration Management
- Performance Management
- Security Management
- Software Upgrade
- KPI Counter

Features

- SA Network Architecture
- 3GPP Release 15
- Radio Link Adaptation
- 64 Active Users
- Integrity – NIA1/NIA2
- Ciphering – NEA1/NEA2
- PCI confliction detection
- Close loop Power Control
- DL/UL Resource Scheduling
- Inter-RAT Handover
- Measurement Report
- NG/Xn Handover
- QOS 5Qi
- DSCP marking - Per 5QI
- VLAN
- SAS CBSD

Ordering Information

- Model Name: NR xCell 60156AW
  SCU2080 N48 (3.55 ~ 3.7GHz)
  Certification: FCC (TBD)