



Canopy 4G Outdoor Radio

Model SCO4255P



Radios increase cellular coverage and network capacity for private networks, improving customer experience and application performance and are a key component in MosoLabs' private cellular network solution.

MosoLabs Canopy is a suite of cutting-edge 4G and 5G indoor and outdoor radios tailored to empower industries such as manufacturing, logistics, and transportation with seamless and secure private cellular networks. Our Canopy 4G Outdoor radios are designed to improve coverage and capacity, enabling you to build a secure and resilient private network.

Hardware Key Specifications

Key Item	Specification
Small Cell Type	Outdoor TD-LTE Small Cell
Working LTE frequency	(3400MHz~3800MHz)B42/B43/B48
Chip-set	QCA FSM9955
Memory	RAM 4GB eMMC flash and 4GB DDR3
Listening bands	B42/B43/B48
Bandwidth Supported	10, 20 MHz
Tx Output Power	EiRP per 10MHz: 40dBm
MIMO	2x2 MIMO Support
CA	2CC CA Support
GPS	Support
Antenna	Internal antennas: 4xLTE (Directional 10dbi gain of V 15 deg / H 45 deg beamwidth per antenna)
RF modulation	DL:256QAM, UL: 64QAM

Key Item	Specification
Timing Sync	OTA, GPS, 1588v2
Number of UEs in RRC Connected	64 (32 per Carrier)
VoLTE with QoS	Support
Giga Ethernet Port	1 WAN, 1 LAN
Ethernet port (WAN port)	Supports 802.3at type2 "PoE+" as a Power Sourcing Equipment (PSE).
TR-69	Support
IPSec	Support
SSH over Public IP Address	Support
SON	SuperSON™ Support
HeMS	Support TR069 standard HeMS or Sercomm's SUPEReMS™
Physical Size (without mounting kit)	410x286x115 mm
Power Consumption	21 Watts
Power Supply	12V DC or PoE+
Mounting Option	Pole Mount

Mounting Illustration

The picture is for reference only, subject to the actual product.



Environment

Operation temperature	-20°C to 55°C
Storage temperature	-20°C to 70°C
Humidity	5% to 95% non-condensing
Ingress Protection	IP65

Ordering Information

Model	Description
SCO4255P-BC-A10	Outdoor CBRS SmallCell w/CA