

MOBIOT SCOFUS

SEAMLESS COMMUNICATIONS FUSION UNIT

Autonomous Air/Land/Marine Communications Solution

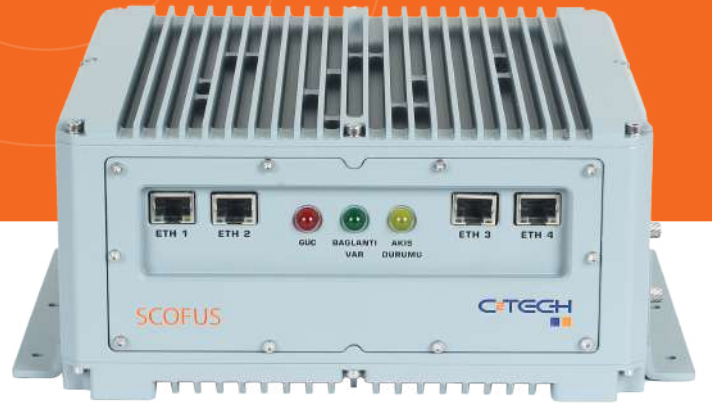
MOBIOT SCOFUS creates broadband channel by fusing different communication channels. All communication resources like SATCOM, RF-LOS, LTE/5G act as single wideband channel.



Each communication technology such as SATCOM, RF Radio-link or Cellular has its own unique limitations. Relying on a single type of communication channel for autonomous Air, Land and Marine Platforms, may cause interruptions and operational issues. CTech's MOBIOT SCoFus technology developed to use all communication channels actively to create one uninterrupted broadband channel for seamless communication.

BENEFITS:

- Increased bandwidth
- Providing uninterrupted communication
- Extend the operational coverage area
- Remotely control autonomous vehicles
- Two way, low delay data/telemetry communication
- Multi-channel high quality live video transmission





DETAILS

CTech MOBIoT technology increases the bandwidth by adding each communication channel's data traffic to the available band and provides fusion connectivity. In case of losing the communication links one by one, the system seamlessly keep operating without any interruption.

CTech MOBIoT SCoFus Technology fragments and distributes data packets through different communication links based on parameters such as channel band availability, delay/jitter etc.

Default Connections

- Broadband SATCOM (Ka, Ku)
- L Band Satellite
- RF LOS
- 6 Embedded Cellular (LTE/5G) with *Private APN
- Wifi
- Cable (Ethernet)

MOBIoT SCoFus Transmits;

- 10 x High Quality Video
- Data/Telemetry/Autonomous Control
- Sensors
- Radar
- GPS

*Private APN: Private Access Point name to use GSM networks securely for non-public LTE/5G communications.

CTech provides complete integrated communications solution by combining C2Tech ARX Series SATCOM Systems, Ufuk LOS Systems, Cellular Systems, managed by MOBIoT IoT Management Center Software.

Operator/Connection Type	Connection	Signal	Status
Ku Band SATCOM	SAT	62	●
RF-LOS	RF	83	●
L Band SATCOM	SAT	66	●
Turkcell	LTE	62	●
vodafone TR	LTE	83	●
Turk Telekom	LTE	66	●
Wifi			●
Ethernet			●