SCOFUS TACTICAL COMMUNICATION SYSTEM

Technical Specification	SCOFUS Core Model	SCOFUS Ultra Model
Network Interfaces		
LAN Interfaces	10/100 Mbps Fast Ethernet WiFi 5/6/7 (optional) Bluetooth (optional)	
WAN Interfaces	1x 10/100/1000 Mbps Ethernet 3x 3G/4G/LTE Modem Cat 4 (Cat 12+ optional) Global Coverage optional	3x 10/100/1000 Mbps Ethernet 6x 3G/4G/LTE Modem Cat 12+ Global Coverage
	WiFi 5/6/7 (optional)	
Other Interfaces		
Control Interfaces	USB (optional)	
		CANBUS (optional)
	UART (optional)	
	RS485 (optional)	
		MIL-STD-1553B
Location Service	GPS (optional)	
WAN Channel Usage		
Transfer Capacity (Bonding)	20 Mbps	40 Mbps
Transfer Methodologies	Bonding Hot Failover Aggregation Channel Redundancy Prioritization	
Configuration Management		
Device Management	Control Panel (Local WEB Interface) REST API (Remote Systems) Remote (IOT Central)	
Traffic Management	QoS (Control & Video) Traffic Filter & Shaping Basic Level Firewall (IP: Port: Protocol) White & Black List	
Operational Modes		Layer 2 Layer 2+
	Layer 3	
Latency Control	Manual	Adaptive
Computing Frame		
OS Support	Ubuntu, Linux, Armbian	
CPU/Chipset	Rockchip RK3588	
RAM	4 GB	8 GB
Storage	eMMC 256 GB Up to 256 GB MicroSD Card Support NVMe or USB Flash Memory (optional)	
Security		
Data Encryption	AES-256	
Secure Connection	SSH, HTTPS	
Physical Specifications		
Dimentions (L x W x H)	160 x 150 x 60 mm	200 x 210 x 100 mm
Weight	1050 gr	3400 gr
Coating	Anodization	
Environmental Specifications		
Protection Grade	IP54	IP65
Operating Temperature	-10 / +70 °C	-20 / +85 °C
Storage Temperature	-20 / +85 °C	-40 / +85 °C
Humidity	90% @40 °C	
Power Specifications		
Operating Voltage	10V - 18V DC Input	DC 9V - 80V DC Input
Voltage Adaptor	110V - 240V AC External Adaptor (optional)	
Power Consumption	30W max	50W max

C2TECH

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SCOFUS

C2TECH

Autonomous and Semi-autonomous Vehicles

Seamless and Resilient Communication

Patented Proprietary Bonding and Teaming Protocol

4G/5G, LOS, NLOS, BVLOS and SatCom

Land, Marine and Air Platforms

Broadband Communication

Scan for online version

TURKISH AEROSPACE
SUBSIDIARY

SCOFUS

Each communication technologies such as satellite, 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 SCOFUS technology is developed to actively use all communication channels actively to create one uninterrupted broadband channel for seamless communication.

BENEFITS

- ✓ Remote Control and Monitoring Autonomous and Semi-Autonomous Vehicles
- ✓ All Types of Land, Sea, And Air Mobile Platforms
- ✓ Seamless, Resilient and Integrated Communication
- ✓ Extend the Operational Coverage Area with 4G/5G, Satellite and Line-of-Sight
- ✓ Broadband for Multi Channel, High Quality Video Streams
- ✓ Full Duplex, Low Latency Stream and Control Data

Two models for different conditions:

SCOFUS Core

- Lightweight
- 3 internal 4G/5G modem
- IP54
- 1 external (ethernet) modem

SCOFUS Ultra

- Robust
- 6 internal 4G/5G modem
- IP67
- 3 external (ethernet) modem

SCOFUS: A Symphony of Communication Channels

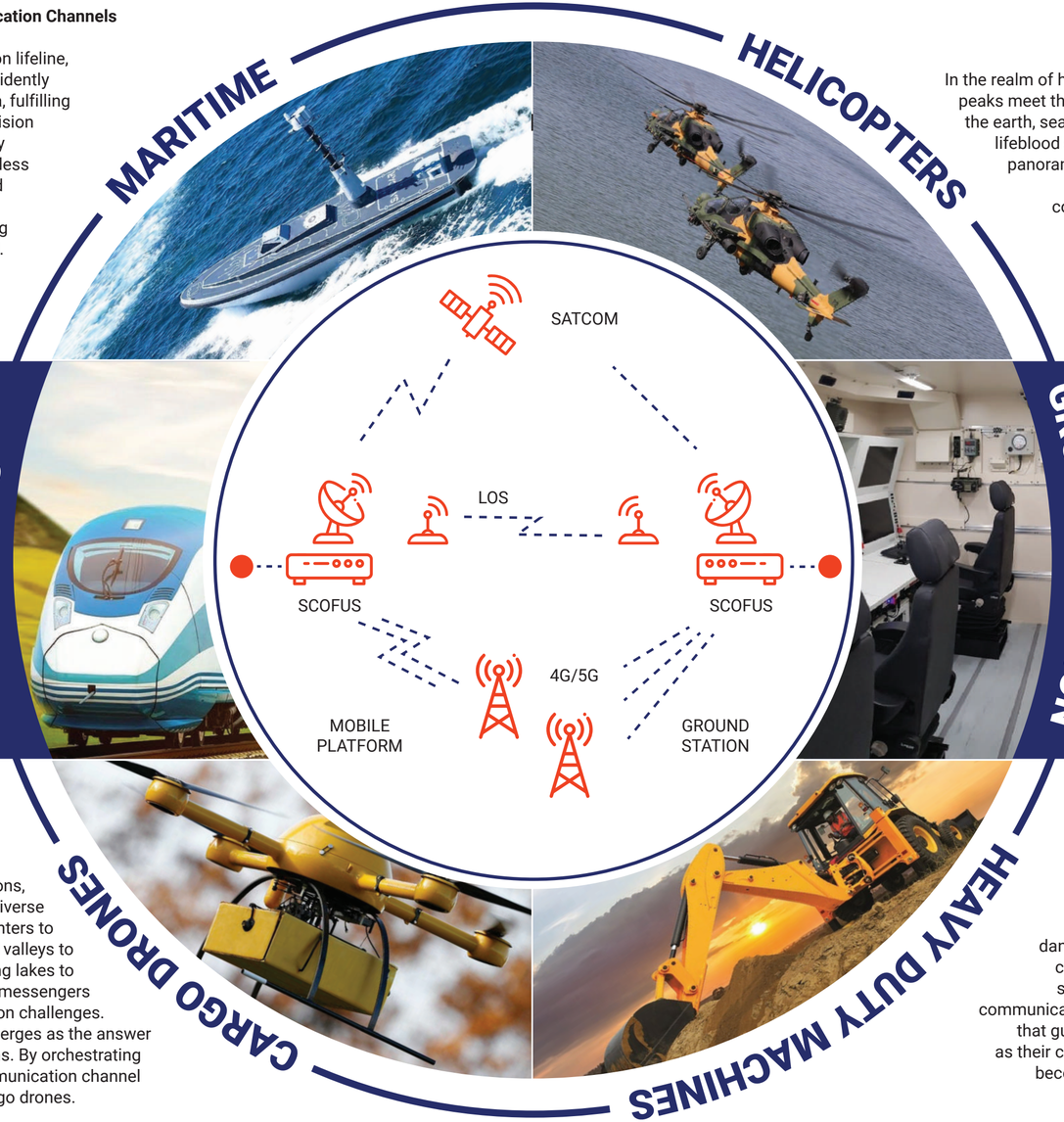
With SCOFUS as their communication lifeline, unmanned marine vehicles can confidently navigate the vast expanse of the sea, fulfilling their missions with unwavering precision and efficiency. SCOFUS is not merely a technology; it is an enabler of limitless possibilities, empowering unmanned seafarers to explore the uncharted depths of offshore regions, unlocking a wealth of knowledge and potential.

SCOFUS : Harmony of Data in Motion

As sensor data and diverse camera streams flow freely, and passengers remain connected, the quality of rail services ascends to new heights. SCOFUS, the unsung hero of rail transportation, silently orchestrates this digital transformation, ensuring that every journey is a testament to innovation and efficiency.

Where Landscapes Converge, Communication Unites

Across the vast expanse of the sky, cargo drones embark on their missions, their paths traversing a tapestry of diverse landscapes. From bustling urban centers to tranquil rural expanses, from rugged valleys to verdant forests, and from shimmering lakes to towering mountains, these airborne messengers encounter a myriad of communication challenges. SCOFUS, a technological marvel, emerges as the answer to these communication conundrums. By orchestrating a harmonious blend of diverse communication channel capabilities, SCOFUS empowers cargo drones.



Unwavering Connection in the Face of Adversity

In the realm of helicopter operations, where towering peaks meet the heavens and verdant valleys cradle the earth, seamless communication stands as the lifeblood of success. Amidst this breathtaking panorama, SCOFUS emerges as a beacon of connectivity, weaving a tapestry of communication channels that ensures uninterrupted communication between helicopters and ground control centers.

SCOFUS: The Unwavering Link

SCOFUS is more than just a technology; it is an unwavering link between the mobile world and the ground station, bridging the physical divide and forging an unbreakable bond of control. Through this symphony of communication, SCOFUS transforms mobile platform operations, enabling them to conquer even the most challenging environments with unwavering success.

In the Face of Danger, SCOFUS Stands Tall

As remote-controlled armored machines venture into the heart of danger, SCOFUS remains their steadfast companion. Unfazed by the perils that surround them, SCOFUS ensures that communication remains the unwavering melody that guides them to success. With SCOFUS as their conductor, these armored workhorses become instruments of precision, safety, and accomplishment.