



# TCC

SECURITY ENGINEERING

Think Wise Move Tactical

**ICOM**  
MADE IN JAPAN

# IC-FR5300 / IC-FR6300 NXDN DIGITAL REPEATER

EXTEND YOUR COVERAGE. STRENGTHEN YOUR NETWORK.



## KEY ADVANTAGES

**NXDN** **NXDN DIGITAL TECHNOLOGY**  
High quality, efficient and reliable digital communication.

**WIDE AREA COVERAGE**  
Extend communication range for large sites and multi-location networks.

**CLEAR DIGITAL AUDIO**  
Crystal clear voice quality even in noisy environments.

**50W CONTINUOUS DUTY OPERATION**  
High power performance for mission critical operations.

**IP NETWORK CONNECTIVITY**  
Connect multiple sites over IP network for seamless communication.

**RELIABLE INFRASTRUCTURE SOLUTION**  
Engineered for 24/7 operation with maximum reliability.

ENTERPRISE NETWORKS

INDUSTRIAL FACILITIES

PUBLIC SAFETY

TRANSPORTATION

OIL & GAS

COMMUNICATION INFRASTRUCTURE



AUTHORIZED ICOM DISTRIBUTOR IN EGYPT



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# BUILT FOR PROFESSIONAL COMMUNICATION NETWORKS



## KEY FEATURES

- ✓ NXDN Digital Conventional Mode
- ✓ Mixed Analog / Digital Operation
- ✓ 50W RF Output Power
- ✓ Rack Mount Design
- ✓ IP Network Linking Capability
- ✓ Multi-Site Communication
- ✓ Remote Maintenance Support
- ✓ Emergency Communication Support
- ✓ Continuous Duty Cycle Operation
- ✓ Integrated Power Supply
- ✓ External Controller Interface
- ✓ Digital Voice Quality Enhancement
- ✓ High Receiver Sensitivity
- ✓ Low Power Consumption



## TECHNICAL SPECIFICATIONS

Item	IC-FR5300	IC-FR6300
Frequency Band	VHF	UHF
RF Output Power	50W	50W
Digital Mode	NXDN	NXDN
Channel Capacity	32 Channels	32 Channels
Network Interface	Ethernet (10/100 Base-T)	Ethernet (10/100 Base-T)
Duty Cycle	Continuous	Continuous
Mounting	19" Rack Mount (3U)	19" Rack Mount (3U)
Power Supply	AC 100-240V, 50/60Hz	
Operating Temperature	-30°C to +60°C	
Dimensions (W x H x D)	482 x 132 x 366 mm (Projections not included)	
Weight (Approx.)	16.0 kg	16.0 kg

## SYSTEM BENEFITS

- DIGITAL MIGRATION READY**  
Operate Analog and NXDN simultaneously during your smooth migration.
- NETWORK EXPANSION**  
Link multiple repeater sites using IP Networking for wide area coverage.
- LOWER OPERATING COSTS**  
Higher efficiency and lower maintenance with digital performance.
- IMPROVED AUDIO QUALITY**  
Enhanced digital voice provides clearer communication and less background noise.

## SUPPLIED ACCESSORIES



## IDEAL FOR

- ✓ Security Command Centers
- ✓ Industrial Plants
- ✓ Airports
- ✓ Seaports
- ✓ Transportation Authorities
- ✓ Oil & Gas Facilities
- ✓ Large Commercial Projects

## WHY CHOOSE TCC?

- Authorized ICOM Distributor
- Communication Infrastructure Experts
- System Design & Integration
- Technical Support
- After-Sales Service