



# ASTELA

aselsan

APCO  
4930

APCO P25 MISSION CRITICAL  
DESKTOP RADIOS

#PublicSafetyCommunication



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## APCO P25 MISSION CRITICAL DESKTOP RADIOS

The ASTELA APCO4930 Desktop Radio is a multiband and multimode mission critical radio with many scenarios in public safety communication. In case of emergency, the radio operates in several mode and band for providing the continuity of the communication among the teams.

### Multiple Operation Modes

ASTELA APCO4930 Desktop Radio can operate in simplex (from radio-to-radio), direct (via repeaters), wide area conventional system and wide area trunk system modes.

In addition to APCO P25, SK2 communication protocol is supported on the same hardware. Radio users can switch between APCO P25 and SK2 via radio menu. This software-based support is offered as an optional item.

ASTELA APCO4930 radio has backward compatibility with legacy analog FM radios, which provides radio users with the possibility of easy transition from analog to digital communication.

### Resilience to Severe Environmental Conditions

Institutions in charge of public safety may need to use these radios in challenging environments such as very high or very low temperature, high humidity, low pressure, sand and dust. ASTELA APCO4930 Desktop Radio is designed by considering these requirements and supports MIL STD 810E standards.

### Flexibility of Customization

Communication system operators may need to give different type of authorizations to radio users depending on their organizations and tasks. By programming/updating the parameters of the radios, it can be ensured that all radio users have different menus/options on their devices. Radio has a flexible hardware and software structure enabling multiple languages on the radio.

### Flexibility of Multihead

ASTELA APCO4930 Desktop Radio is a multi-head radio. The handheld type control unit provides using the radio like a handheld radio, desktop type control unit provides extra ethernet connection besides operating the radio. Standard type control unit allows use of legacy microphones.

### General Properties

- Trunk or Conventional
- Multi System Support
- Multi Band Support
- Multi Zone Support
- WIFI Option
- Ethernet Connections
- Hardware Encryption
- Linux OS
- Colored Display
- Seamless UX Experience Across 4900 Family
- Informative Alerts
- Various Head Controller (ETKB, MTKB, STKB)

### Technical Properties

Frequency	: VHF (136-174 MHz) and UHF (380-470 MHz)
RF Output (Dual Band)	: 10- 40 W (VHF) and 10- 30 W (UHF)
RF Output (Single Band)	: 10- 90 W (VHF)
Channel Capacity	: 999
Dimensions	: 61 x 177 x 246 mm (HxWxD Without Projections)
Weight	: 2450 gr (Dual Band)
Operating Temperature	: -30°C / +60°C (Transceiver)
Storage Temperature	: -40°C / +85°C (Transceiver)
Humidity	: 90%, +50°C

### Standards and Certificates

APCO P25	: EIA/TIA 102 CAAB-C
Low Voltage	: EN 60950, IEC 62368
EMC	: EN 301 489-1, EN 55032
Digital	: EN 300 113-2
Analog	: EN 300 086-2, EIA/TIA 603D
High Temperature	: MIL-STD-810G M 501.6 Pro I Cat-A1, Pro II Cat- A1
Low Temperature	: MIL-STD-810G M 502.6 Pro I Cat C2, Pro II Cat C1
Temperature Shock	: MIL-STD-810G M 503.6 Pro I-B
Humidity	: MIL-STD-810G M 507.6 Pro II