



CNSS Approval number CNSS-A-10-2010

# Modified Cisco® IP Phone 7962G

Product Data

Model - DNC502-10

## Description

API's CNSS/TSG approved IP Phone; model DNC502-10 is based on the Cisco® 7962G. It is a full-featured IP phone with speakerphone and handset designed for wideband audio. It is intended to meet the needs of managers and administrative assistants. It has six programmable backlit line/feature buttons and four interactive soft keys that guide you through all call features and functions. The phone has a large, 4-bit grayscale graphical LCD that provides features such as date and time, calling party name, calling party number, digits dialed, and presence information. The crisp graphic capability of the display allows for the inclusion of higher value, more visibly rich Extensible Markup Language (XML) applications, and support for localization requiring double-byte Unicode encoding for fonts. A hands-free speakerphone and handset designed for hi-fidelity wideband audio are standard, as well as a copper Ethernet switch.

## Features

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- Signaling Protocol: Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP) with Cisco call control
- Wideband Audio: Support for wideband (G.722 codec, adherence to TIA 920), including handset and speakerphone
- Codec Support: G.711a, G.711 $\mu$ , G.729a, G.729ab, G.722, and iLBC audio compression codecs are supported
- Security: Positive device identity through X.509v3 Certificates, digitally signed images, cryptographically secure provisioning, and secure signaling and secure media with AES-128. The phone also contains an 802.1X supplicant and supports EAPOL pass-through.
- CNSS/TSG on hook and secure hold security features





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## Specifications

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### Display

5-inch (12.5 cm), high-resolution (320 x 222), graphical monochrome 4-bit grayscale display.

### Wideband Audio

Support for wideband (G.722 codec, adherence to TIA 920), including headset, headset, and speakerphone

### Codec Support

G.711a, G.711μ, G.729a, G.729ab, G.722, and iLBC audio compression codecs are supported

### Speakerphone

Full-duplex speakerphone with acoustic echo cancellation.

### Directories Key

Ready access to missed, received or placed calls (plus intercom history and directories). Corporate directory integrates with the Lightweight Directory Access Protocol Version 3 (LDAP3) standard directory.

### Speakerphone

Speakerphone includes Speaker On/Off. For added security, the audible dual tone multi-frequency (DTMF) tones are masked when the speakerphone mode is used

### Ethernet Switch

Internal 2-port Cisco Ethernet switch allows for a direct connection to a 100BASE-FX Ethernet network through an SC interface with single LAN connectivity for both the phone and a co-located PC. System administrator can designate separate VLANs (802.1Q) for the PC and phone. Configurations also available with copper network interfaces.

### Security

Positive device identity through X.509v3 Certificates, digitally signed images, cryptographically secure provisioning, and secure signaling and secure media with AES-128. The phone also contains an 802.1X supplicant and supports EAPOL pass-through.

### Physical Dimensions

H x W x D - ..... 8.2 x 10.5 x 6 in. (20.32 x 26.67 x 15.24 cm)  
Weight ..... 3.5 lb (1.6 kg)

### Power

48VDC is required; it can be supplied locally at the desktop using an AC-to-DC power supply. Local power options require a corresponding AC country cord

### Phone Software Requirements

Supported in 8.3(2) and greater

### Operating Environment

Operating Temperature ..... 32 to 104°F (0 to 40°C)  
Relative Humidity ..... 10% to 95% (noncondensing)  
Storage Temperature ..... 14 to 140°F (-10 to 60°C)

### Warranty

1-year on parts and labor

Advanced Programs, Inc. is an NSA-endorsed test services facility and an NSA-endorsed TEMPEST manufacturing facility.

Technical Specifications are subject to change without notice. U.S.A. export controls apply to these products.

E & OE - 12/1/11



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