CORE SYSTEMS



RUGGED CISCO 8851 IP PHONE

Rugged VoIP System

The **Rugged Cisco 8851 IP Phone** from Core Systems is a ruggedized Cisco 8851 IP phone that meets CNSS (Committee on National Security Systems) requirements for both PoE and AC-powered installations requiring a rugged industrial VoIP solution. It supports full Cisco 8851 functionality, including Hold, Mute, and Hands-Free capabilities.

Engineered for harsh environments, the Rugged Cisco 8851 IP Phone has been tested and approved to meet MIL-810F environmental and MIL-STD 461E EMI/EMC specifications. This TSG Class B certified VoIP phone requires no external equipment to ensure on-hook security in sensitive areas. It provides positive disconnect of all transducers when On-Hook or On-Hold and offers complete mechanical isolation of all Ethernet wire pairs, preventing any triboelectric noise when the phone is in a dead-line state.

- Application-specific design
- Tested to meet military standards

Featured Specifications

Design & Audio
IP68 handset and headset connection
24+ user-adjustable ring tones

Display
5-inch TFT color display
320 x 420 px resolution

LAN & PC Ports
IP67 Mil-Spec RJ45 connectors
for 10/100/1000BaseT Ethernet

Power
48 VDC supplied via PoE
Optional AC-to-DC

Chassis Type
Cast Aluminum Available in Standard
Navy Grey, Olive Drab, or Desert Sand

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Technical Specifications

Dimensions
Height: 11.10 inches, Width: 8.90 inches, Depth: 3.65 inches
Weight: 4.5 lbs

Power
48 VDC via PoE or optional AC-to-DC adapter

Connectivity
Dual Gigabit Ethernet ports: IP67 Mil-Spec RJ45 for the LAN 10/100/1000BaseT connection and a second 10/100/1000BaseT compliant connection (labeled PC)

Display
5-inch TFT color display
320 x 420 px resolution
16-bit color depth

Interface
24+ adjustable ringtones

Audio Performance
Full-duplex speakerphone with acoustic noise cancellation
G.711a/μ, G.729a/ab, G.722, and iLBC audio codecs supported

Network Compatibility
Compatible with H.323 and Microsoft NetMeeting
DHCP or static IP configuration for flexible deployment

Handset & Headset
IP68 Connection

Chassis Type
Cast Aluminum Available in Navy Grey, Olive Drab (OD), or Desert Sand

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

Humidity
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration
MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

Shock
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC
MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

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