



8841 Cisco® IP Phone

TSG, TEMPEST/TSG, Modified COTS, & Cisco+ models available

Product Data

Model - EL1-8841
EM-8841

API's version of the Cisco® 8841 phone is TSG certified as compliant with CNSI 5001 and provides the critical security features required for both unclassified and classified VoIP telephony systems. API's TSG approved 8841 VoIP phones cost effectively provide the latest in Cisco® technology with API security technology. API's 8841 VoIP phones feature Energy Wise™ technology, wide band audio, WVGA color display, five programmable line keys, up to 1 GB LAN and PC connections as well as interoperability with a comprehensive suite of unified communication features supported by Cisco® communication servers. API integrated TSG compliant technology, physical secure hold and mute, and other security technologies mitigate the risks of electronic eavesdropping and cyber compromise. The 8841 is also available in other configurations such as TEMPEST/TSG, Modified COTS, and Cisco+.



API's 8841 design uniquely combines TEMPEST and TSG certification with modular security to provide customers the ability to easily configured TEMPEST or TSG models to meet cost and security requirements.

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Specifications

Model - EL1-8841
EM-8841

Handset

Std. wideband-capable audio or optional Push-to-Talk handset

Speaker phone

Hands free full-duplex speakerphone

Headsets

Analog headsets

Ethernet switch

Internal 2-port Cisco Ethernet switch for connection of phone and PC over single line.

Keys

Line keys, soft keys, back and release keys, four-way navigation & and select keys resume, transfer & conference keys, messaging, application, & directory keys. Standard keypad, volume control toggle key, speakerphone, headset.

Dimensions (H x W x D)

9.02 x 10.13 x 1.57 in. (229.1 x 257.34 x 40 mm)

Weight

2.58 lb. (1.17 kg) (with handset)

Temperatures

Operational 32 to 104°F (0 to 40°C)

Non Operational Shock 14 to 140°F (-10 to 60°C)

Humidity

Operating 10 to 90%, noncondensing

Non-operating 10 to 95%

Backlit indicators

Audio path keys select key, line keys & message waiting.

Power

EEE Power over Ethernet class 2; fiber

AC-to-DC (48V) power supply

Cisco Unified Communications Manager

8.5.1, 8.6.2, 9.1.2, 10.0 and later

Network features

Session Initiation Protocol (SIP) for signaling, Session Description Protocol (SDP), IPv4 and IPv6, User Datagram Protocol (UDP), Dynamic Host Configuration Protocol (DHCP), Gratuitous Address Resolution Protocol (GARP), Domain Name System (DNS), Trivial File Transfer Protocol (TFTP), Secure Hypertext Transfer Protocol (HTTPS), VLAN, Real-Time Transport Protocol (RTP), Peer-to-peer Distribution Protocol (PPDP), Cisco Discovery Protocol, LLDP/LLDP-MED), Switch speed auto-negotiation

Security features

Secure boot, secure credential storage, device authentication, configuration file authentication and encryption, image authentication, random bit generation, hardware cryptographic acceleration, Certificate Authority Proxy Function(CAPF), Manufacturer-Installed Certificates (MIC), Locally Significant Certificates (LSC), Ethernet 802.1x supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST) & Extensible Authentication Protocol-Transport Layer Security (EAP-TLS), Signaling authentication & encryption using TLS, Media authentication & encryption using SRTP, HTTPS for client & server, Secure Shell (SSH) Protocol server, SSL-based VPN client

Warranty

1-year on parts and labor

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

Advanced Programs, Inc. is an ISO 9001:2008 certified facility - Cert. #US-2683c

Technical Specifications are subject to change without notice. U.S.A. export controls apply to TEMPEST configurations only

E & OE - 11/2016

Configurations

TSG

Model Numbers	Description	TSG Accreditation Number
EM-8841-07	8841 IP NTSWG PHONE, 2-PORT FIBER SC 100MB, W/PWR SUP (Class A)	TSG-A-01-2015
EM-8841-07M	8841 IP NTSWG PHONE, SOFT MUTE, 2-PORT FIBER SC 100MB, POWER BRICK (Class A)	TSG-A-10-2016
EM-8841-08	8841 IP NTSWG PHONE, 2-PORT FIBER LC 1G, W/PWR SUP (Class A)	TSG-A-03-2015
EM-8841-09	8841 IP NTSWG PHONE, 1-PORT FIBER SC 100MB, W/PWR SUP (Class A)	TSG-A-04-2015
EM-8841-09M	8841 IP NTSWG PHONE, 1-PORT FIBER SC 100MB, W/PWR SUP (Class A), MUTE	TSG-A-02-2016
EM-8841-10	8841 IP NTSWG PHONE, 1-PORT FIBER LC 1G, W/PWR SUP (Class A)	TSG-A-05-2015
EM-8841-12	8841 IP NTSWG PHONE, 2-PORT FIBER SC 100MB, W/PWR SUP, NO SPKR PHONE (Class A)	TSG-A-02-2015
EM-8841-06	8841 IP NTSWG PHONE, 2-PORT 10/100/1000-T POE (Class B)	TSG-B-11-2015
EM-8841-06S	8841 IP NTSWG PHONE, 2-PORT 10/100/1000-T POE, NO MIC (Class B)	TSG-B-01-2016
EM-8841-06M	8841 IP NTSWG PHONE, SOFT MUTE, 2-PORT 10/100/1000BASE-T ETHERNET RJ45 POE (Class B)	TSG-B-13-2015
EM-8841-11	8841 IP NTSWG PHONE, 2-PORT 10/100/1000-T POE, NO SPKR PHONE (Class B)	TSG-B-12-2015
EM-8841-15	8841 IP NTSWG PHONE, 2-PORT FIBER LC 1G, W/PWR SUP, NO SPKR PHONE (Class A)	TSG-A-03-2017

TEMPEST/TSG

Model Numbers	Description	TSG Accreditation Number
EL1-8841-06L1	8841 IP TEMPEST NTSWG PHONE, 1 FIBER ST 100MB, W/PWR SUP,NO SPKR PHONE	TSG-A-21-2016
EL1-8841-07L1	8841 IP TEMPEST NTSWG PHONE, 2 FIBER ST 100MB, W/PWR SUP,NO SPKR PHONE	TSG-A-22-2016
EL1-8841-08L1	8841 IP TEMPEST NTSWG PHONE, 1 FIBER ST 1GB, W/PWR SUP,NO SPKR PHONE	TSG-A-23-2016
EL1-8841-09L1	8841 IP TEMPEST NTSWG PHONE, 2 FIBER ST 1GB, W/PWR SUP,NO SPKR PHONE	TSG-A-24-2016

TEMPEST

Model Numbers	Description
EL1-8841-01L1	8841 IP TEMPEST PHONE, 2 FIBER SC 100MB, W/PWR SUP,NO SPKR PHONE
EL1-8841-02L1	8841 IP TEMPEST PHONE, 2 FIBER LC 1G, W/PWR SUP,NO SPKR PHONE
EL1-8841-03L1	8841 IP TEMPEST PHONE, 1 FIBER SC 100MB, W/PWR SUP,NO SPKR PHONE
EL1-8841-04L1	8841 IP TEMPEST PHONE, 1 FIBER LC 1G, W/PWR SUP,NO SPKR PHONE

Modified COTS

Model Numbers	Description
EM-8841-01	8841 IP PHONE, 2-PORT 10/100/1000-T POE
EM-8841-02	8841 IP PHONE, 2-PORT FIBER SC 100MB, W/PWR SUP
EM-8841-03	8841 IP PHONE, 2-PORT FIBER LC 1G, W/PWR SUP
EM-8841-04	8841 IP PHONE, 1-PORT FIBER SC 100MB, W/PWR SUP
EM-8841-05	8841 IP PHONE, 1-PORT FIBER LC 1G, W/PWR SUP

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