

UC-P110-T

Crestron Flex P110-T – VoIP Desk Phone w/Tilt Screen for Microsoft Teams®

- > A premium VoIP desk phone for Microsoft Teams®
- > Native Microsoft Teams touch screen UX — provides a consistent user experience with simple operation and one-touch meeting joins
- > A complete kit solution — easy to specify and install
- > Easy to provision and manage through Crestron® XiO Cloud™
- > Works natively with any Microsoft Teams account — no MCUs, gateways, or other add-ons needed!
- > Connects and communicates securely over any enterprise or SMB network
- > Wideband HD voice quality
- > Full-duplex hands-free speakerphone with AEC
- > Hearing aid compatible handset
- > Wired headset support^[1]
- > Audio volume adjustment and mute
- > Tilttable 7" (178 mm) color touch screen
- > Physical keypad and function buttons
- > BToE pairing with a Microsoft Teams PC client
- > Hot desking capability for shared workstations
- > Active Directory® authentication and corporate directory access
- > Microsoft® Exchange and Office 365® integration
- > Onscreen calendaring and meeting management
- > IoT cloud based provisioning and management
- > Enterprise-grade security
- > Dual-port Gigabit Ethernet connectivity
- > PoE network powered
- > Complete kit contains the UC-PHONE-T-PLUS VoIP desk phone, handset, cables, and 1-year XiO Cloud Premium^[2]



Crestron Flex

Crestron Flex is a comprehensive line of unified communications and collaboration solutions for the enterprise. Current options include conferencing and desk phone solutions for Microsoft Teams® and Skype® for Business, with future solutions coming soon for Zoom Rooms™ and Open UC (open-platform support for any web collaboration, conferencing, or telephony platform). From the desktop to the conference room and beyond, Crestron Flex solutions deliver a distinctively simple and consistent user experience in all the places people work and meet.

Built on the IoT cloud based XiO Cloud™ platform, Crestron Flex empowers IT administrators and AV integrators to deploy, manage, monitor, and *evolve* thousands of networked UC devices — simply, quickly, and securely — all from a single dashboard. By standardizing on Crestron Flex, any organization can realize a more productive and stress-free workplace through greater acceptance and utilization of UC technology that's truly easy to use.

The Crestron Flex P110-T desk phone (UC-P110-T) provides a premium voice-over-IP telephony solution for use with the Microsoft Teams intelligent communications platform. It offers wideband HD voice quality and full-duplex hands-free speakerphone capability in an elegant desktop design. It features an easy-to-use keypad and spacious color touch screen display, hearing aid compatible handset, and wired headset support.^[1] The touch screen is tilttable to achieve a perfect viewing angle, whether seated or standing, whatever the desk height.

The Crestron Flex P110-T is the ideal desk phone for any modern workplace running Microsoft® Office 365® and Microsoft Teams software across the enterprise. Each phone syncs with an individual's Microsoft Teams account and can pair with a personal computer using BToE, providing a consistent personalized user experience, even in a hot desking workplace environment. Personal contacts, schedules, voicemails, and other preference settings appear on the phone's touch screen simply by signing in on the phone or the attached computer.

Intuitive operation and exceptional HD audio quality afford a gratifying and

productive experience, whether making a personal phone call, gathering a small group for a conference call, or participating in an online meeting. Crestron Flex is secure, easy to deploy, and easy to manage, with extensive features and capabilities engineered to maximize the value of your investment through increased efficiency and productivity.

See also the Crestron Flex P100-T for Microsoft Teams (UC-P100-T) for a lower cost alternative with fixed-position touch screen, and the Crestron Flex P110-S for Skype for Business (UC-P110-S) for use with Skype for Business applications. Visit <https://www.crestron.com/flex> for an overview of all available Crestron Flex UC solutions.

Native Microsoft Teams® Experience

Microsoft Teams is the hub for teamwork in Office 365 software, engaging people and bringing them together through messaging, voice over IP,

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online meetings, conferencing, content sharing, and collaboration. The Flex P110-T desk phone provides a native Microsoft Teams IC experience, with simple operation and one-touch meeting joins through a feature-rich touch screen UX familiar to users of Microsoft Teams and Office 365. Onboard calendaring, corporate directory access, hot desking, and BToE provide knowledge workers with the tools they need to work smart and efficiently. It simply works with any Teams account and connects to any enterprise or SMB network implementing a cloud based Microsoft Teams deployment.

Superb Sound Quality

Crestron® VoIP desk phones facilitate perfectly natural conversations with highly intelligible voice clarity, whether speaking privately on the handset or headset^[1], or conferencing using the hands-free speakerphone function. High-performance AEC technology achieves transparent full-duplex performance free of distracting echo or noise. Wideband audio codec support allows for full-spectrum, bidirectional voice communication. The handset is hearing aid compatible to ensure an optimal experience for individuals with hearing impairment.

Tiltable Color Touch Screen

Its extra-large, full-color touch screen makes the desk phone easy for everyone to use, whether dialing or answering a phone call, starting or joining an online meeting, looking up contacts, viewing call history, accessing voicemail, managing your calendar, or logging in as a new user. The physical keypad provides the essential controls for dialing out, managing a call in progress, muting or adjusting volume, and switching to hands-free or headset mode.^[1]

The touch screen can be freely tilted to achieve a perfect viewing angle. Its intuitive UI employs a look and layout familiar to users of Microsoft Teams and Office 365 software, so staff members can move effortlessly between using a phone and personal computer at their desk or workstation and other Teams based Crestron UC conferencing solutions in a meeting room or huddle space.

BToE (Better Together over Ethernet)

Each Crestron desk phone provides a network connection for a PC, which allows both the phone and PC to be connected to the LAN through a single Gigabit Ethernet port. This connection also enables BToE, which allows the PC and phone to be paired together to enable interaction between Microsoft software on both devices for making and answering calls, and switching between audio devices.

Hot Desking

For organizations employing shared workstations or offices, workers can log in at any phone using their personal Microsoft Teams account. Once signed in, the individual's presence status, contacts, voicemail, and meeting schedule immediately sync with their account for a seamless user experience.

Network Management and Security

The Crestron VoIP desk phone is an enterprise-grade appliance, engineered in partnership with Microsoft to integrate seamlessly into any Microsoft Teams deployment. It is ideally equipped for mass deployment throughout any-sized corporate, university, medical, military, or governmental facility.

IoT cloud based provisioning enables complete network configuration in advance of hardware delivery, with touchless updates following installation. Crestron XiO Cloud management enables monitoring and logging of device usage, as well as centralized help desk support. Advanced security features ensure privacy, reliability, and compliance with the organization's IT policies. PoE compatibility enables the desk phone to be powered through its LAN connection.

XiO Cloud™ Connected

XiO Cloud is Crestron's unifying IoT cloud based platform for remotely provisioning, monitoring, and managing Crestron devices across an enterprise or an entire client base. XiO Cloud enables installers and IT managers to deploy and manage thousands of devices in the amount of time it would ordinarily take to manage just one. It provides a zero-touch solution that allows complete configuration of device settings without any hardware in hand, then simply connect each device on site and let XiO Cloud push out the settings, licenses, drivers, and firmware updates – automatically and securely – for a quick and painless, ready-to-use deployment.

Ongoing XiO Cloud services facilitate daily management and monitoring of every device through a single dashboard with comprehensive reporting and logging, live status viewing and alerts, performance metrics and analytics, scheduled actions and updates, and more. As requirements grow and evolve, new features and functionality can be added easily to one or many devices at any time without ever going on site. XiO Cloud is a subscription-based service offering an adaptable SaaS (Software as a Service) solution with graduated levels of functionality and unlimited scalability. For more information about XiO Cloud, please visit <https://www.crestron.com/xiocloud>.

Note: The UC-P110-T desk phone kit includes a complimentary one-year subscription for XiO Cloud Premium.^[2]

SPECIFICATIONS

Included Components

UC-PHONE-T-PLUS: VoIP desk phone w/tilt screen for Microsoft Teams
SW-XIOC-P-1: XiO Cloud Premium Provisioning and Management Service, 1 year subscription^[2]
Ethernet LAN cable, CAT5e, RJ45 male-to-male, 6.5 ft (2 m)

Communications & Audio

Ethernet: 1000 Mbps, IPv4/IPv6, static/DHCP/PPPoE IP assignment, LLDP-MED VLAN assignment, SIP v1 (RFC2543) & v2 (RFC3261), proxy mode and peer-to-peer SIP link mode, TCP/IP, UDP/IP, DNS-SRV (RFC 3263), SNTP, TLS, SRTP, 802.1p/Q VLAN tagging, Layer 3 ToS DSCP, EWS authentication, HTTPS certificate manager, IEEE 802.1X, Active Directory, digest access authentication using MD5/MD5-sess, password login, HTTPS web server, XiO Cloud client, Microsoft Intune® client, dual-port Gigabit Ethernet switch, IEEE 802.3at Type 1 PoE compliant
VoIP: Microsoft Teams client; compatible with Office 365 cloud service; supports Enterprise Voice, Phone System, O365 modern authentication (limited), directory lookup, PSTN calling, E911, common area phone, calendar, hot desking, BToE; DTMF tone generation (RFC 2833 out-of-band,

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in-band, SIP INFO), acoustic echo cancellation, automatic gain control, voice activity detection, comfort noise generator, low-delay audio packet transmission, adaptive jitter buffers, packet loss concealment
Codec Support: G.711(A/μ), G.722, G.723.1, G.726, G.729A/B, Ilbc, SILK
Handset: HD wideband handset, hearing aid compatible (HAC)
Speakerphone: HD wideband speaker and microphone, hands-free full-duplex

Touch Screen

Tilt Angle Adjustment: 2° to 50° back from vertical
Display Type: TFT active matrix color LCD
Size: 7 inch (178 mm) diagonal
Aspect Ratio: 16:9 WSVGA
Resolution: 1024 x 600 pixel
Touch Screen: Capacitive, 5-point multi-touch capable
Language Support: (To be determined)

Buttons & Indicators

Power: (1) Red LED (above touch screen), illuminates to indicate phone is powered on, flashes fast to indicate an incoming call, flashes slow to indicate a message waiting
Keypad: (12) ITU E 1.161 standard keypad buttons
Functions: (9) Buttons for Hold, Transfer, Message, Volume +/-, Headset*, Mute*, Redial, Speakerphone*;
**Buttons are LED backlit to indicate active status*
Hook Switch: (1) Handset hook switch

Connectors

PC: (1) 8-pin RJ45 connector, female;
1000Base-T Ethernet port;
Switched LAN port for optional computer connection
Internet: (1) 8-pin RJ45 connector, female;
1000Base-T Ethernet port & PoE PD port;
For connection to LAN with PoE PSE;
6.5 ft (2 m) CAT5e FTP Ethernet cable included
DC5V: (1) DC power connector;
5 Volt DC power input (not used)
Headset: (1) RJ9 4P4C connector, female;
For optional headset (not included)^[1]
Handset: (1) RJ9 4P4C connector, female;
For handset (included)
USB: (2) USB Type A connectors, female (behind touch screen);
USB 2.0 host ports (not used)

Power

Power over Ethernet: IEEE 802.3at Type 1 (802.3af compatible), Class 3 (12.95 W) PoE Powered Device
Power Consumption: 2.3 to 6.0 Watts

Environmental

Temperature: 14° to 104° F (-10° to 40° C)
Humidity: 10% to 95% RH (non-condensing)

Construction

Housing: Plastic, 48° tilt-adjustable touch screen
Mounting: Freestanding desktop, fixed-angle tilt stand included

Dimensions

Height: 6.46 in (165 mm) with screen at 2° tilt;
8.29 in (211 mm) with screen at 50° tilt
Width: 10.22 in (260 mm)
Depth: 7.73 in (197 mm) with screen at 2° tilt;
6.92 in (176 mm) with screen at 50° tilt

All dimensions shown fully assembled with handset and tilt stand attached.

Weight

2.85 lb (1.30 kg)

MODELS & ACCESSORIES

Available Models

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Available Accessories

CEN-SWPOE-16: 16-Port Managed PoE Switch
CEN-SW-POE-5: 5-Port PoE Switch
SW-XIOC-S-1: XiO Cloud™ Standard Provisioning and Management Service for one device, 1 year subscription
SW-XIOC-S-2: XiO Cloud™ Standard Provisioning and Management Service for one device, 2 year subscription
SW-XIOC-S-3: XiO Cloud™ Standard Provisioning and Management Service for one device, 3 year subscription
SW-XIOC-P-1: XiO Cloud™ Premium Provisioning and Management Service for one device, 1 year subscription
SW-XIOC-P-2: XiO Cloud™ Premium Provisioning and Management Service for one device, 2 year subscription
SW-XIOC-P-3: XiO Cloud™ Premium Provisioning and Management Service for one device, 3 year subscription

Notes:

1. A headset is not included. For optimal results, Crestron recommends the Yealink® YHS33 headset, which is available for purchase from many common retailers.
2. Complimentary XiO Cloud subscriptions are subject to the terms of the Crestron Cloudware License Agreement at <https://www.crestron.com/cloudwarelicensepdf>, as well as additional terms of the Crestron Cloudware License Agreement Addendum at <https://www.crestron.com/cloudwarelicenseaddendumpdf>, which control in any conflict with the Agreement. Complimentary subscriptions may be applied to new accounts only. New UC-P110-T phones may be added to existing XiO Cloud subscription accounts at a discounted rate. An additional purchase toward the existing subscription account term may be required. For more information, please contact license@crestron.com.

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This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty for 3 years, except for the touch screen display which is covered for 90 days. Refer to <https://www.crestron.com/warranty> for full details.

The specific patents that cover Crestron products are listed online at <https://www.crestron.com/legal/patents>.

Certain Crestron products contain open source software. For specific information, visit <https://www.crestron.com/opensource>.

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