



Data Sheet HTC-C Series – IP Phones

HTC – C Series IP Phones (HTC-C200 & HTC-C401)

Product Appearance:



HTC401



HTC200

HT – C Series IP Phones:

HTC200 - 132*48 dot-matrixes with backlight screen, 2 SIP accounts, HD voice, Support PoE, 4 Soft-keys

HTC401 - 2.8 inch LCD color-screen, 4 SIP accounts, HD voice, PoE, 4 Soft-keys, 4 pages/ 28 paperless keys

Product Features:

Generic:

- HD Voice microphone/speaker (handset/hands-free,0~7KHz frequency response)
- Handset(HS) / Hands-free(HF) / Headphone (HP) mode (EHS support for Plantronics headsets)
- POE
- Desktop/Wall-mount installation

Call Features:

- Call out/answer/reject; Mute/Unmute
- Call hold/resume
- Call Waiting; Intercom
- Caller ID Display
- Call Forwarding (Always/Busy/No Answer)
- Blind / Attended Call Transfer
- Call Parking / Pick-up; Redial/ Auto-Redial
- DND(per line / per phone); Auto-Answering (per line / per phone)
- 3-way Conference; Hot Line

Phone Features:

- Phonebook (500entries)
- Cloud Phonebook
- Call log (in/out/missed)
- Blacklist Whitelist
- Message Waiting Indication (VMWI)
- Programmable Soft keys
- Network Time Synchronization
- Action URL / Active URI

Networking Features:

- Network Access Control:802.1x
- IP Configuration: Static/ DHCP/ PPPoE
- VPN : L2TP/Open VPN
- VLAN
- QoS

Audio Features:

- Codec : G.711a/u, G.723.1, G.722, G.726-32, G.729AB
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Background Noise Estimation (BNE)
- Noise Reduction (NR)
- Packet loss concealment (PLC)
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-band, Out-of-band —DTMF-Relay(RFC2833) / SIP INFO

Protocols:

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP; STUN
- DHCP; PPPoE
- DNS (A re- cord, SRV, NAPTR),
- 802.1x
- L2TP(Basic Unencrypted)
- OpenVPN
- SNTP
- FTP/TFTP; HTTP/HTTPS; TR069

RFCs:

- 354/1321/1350/1769/1889/1890/ 2131/2132/2616/2617/2661/2833/ 2915/ 2976/3261/3262/3263/3264/3265/
3268/3311/3489/3711/4346/4566/ 5630/586

Deployment & Maintenance:

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR069
- Web Management Portal
- Web-based Packet-dump
- Configuration Import/Export
- Phonebook Import/Export
- Firmware Upgrade
- syslog

Product Specification:

Product Model	C200	C401
SIP Line	2 lines	4 lines
Installation	Desktop/Wall-mount	
Screen	132 x 48 dot-matrix with backlight	320 x 240 dot-matrix, 2.8 inch LCD color-screen
Key Pad	31-keys,-including:- 12 Standard Phone Digits keys; 4-Soft-keys;-4 Navigation keys + 1 OK key; 1-Hands-free-key; 2 Volume Control keys, Up/Down;- 6-Function-keys	39-keys,-including:-12 Standard Phone Digits-keys;-4-Soft-keys;-4-Navigation keys+1;OK-key; 1-Hands-free-key; 2 Volume Control keys, Up/Down; 6-Function-keys- 8 DSS key with tri-color LED;
Protocols	SIP 2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, PPPoE, 802.1x, L2TP (Basic Unencrypted), Open VPN, SNTP, FTP/TFTP, HTTP/HTTPS, DNS (A re- cord, SRV, NAPTR), TR069	
Codec	G.711a/u, G.723.1, G.722, G726-32, G.729AB	

Network Interface	1 * 10/100 M (802.3af Class 1 POE); PC*1 (Bridge to Ethernet)	1* 10/100/1000M (802.3af Class 2 POE)
IP Service	Static IP, DHCP, VPN, PPPoE, Bridge	
DTMF	In-band, Out-of-band- DTMF (RFC2833) / SIP INFO	
Power Supply	PoE / Power adapter	
Power Input	5V / 1A	
Power Consumption	Idle: 1.3W, Peak : 4.3W	Idle:1.7W , Peak:5.7W
Operation Environment	Temperature: 0~40°C ; Humidity: 10~65%	
HD Hands-free Speaker	1 (0~7KHz)	
HD-Hands-free Microphone	1 (0~7KHz)	
HD Handset RJ9	1 (with Standard RJ9 handset wire)	
1.5M CAT5 cable	1	
Phonebook	500 entries	

Call Log	600 entries
Cloud Phonebook	XML/LDAP
Packing Dimensions	260x255x62mm (L x W x H)

Ordering Information:

Product	Description
HTC-C200-POE	132*48 dot-matrixes with backlight screen, 2 SIP accounts, HD voice, Support PoE, 4 Soft-keys, One year warranty.
HTC-C401-POE	2.8 inch LCD color-screen, 4 SIP accounts, HD voice, support PoE, 4 Soft-keys, 4 pages/ 28 paperless keys, One year warranty

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All specifications are subject to change without further notice. All features with * mark will be available by firmware upgrade

Solution Diagram:

