


 Enterprise HD IP Phones	SIP-T28P	SIP-T22P	SIP-T20P
	 Excutive	 Professional	 Entry Level
General			
Chipset	TI TITIAN	TI TITIAN	TI TITIAN
Flash memory	8MB	8MB	8MB
SRAM memory	32MB	32MB	32MB
Dimension	273x204x42mm	185x200x90mm	185x200x90mm
Weightht (approx.)	1.05 KG	0.77 KG	0.77 KG
Temperature	0-40°C	0-40°C	0-40°C
Humidity	10-90%	10-90%	10-90%
Power consumption(approx.)	1.6-2.6W	1.5-2.6W	1.4-2.6W
Connections			
LAN (PC port)	10/100Mb Ethernet	10/100Mb Ethernet	10/100Mb Ethernet
WAN (Internet port)	10/100Mb Ethernet	10/100Mb Ethernet	10/100Mb Ethernet
Adapter	Input: AC 100-240V Output: DC 5V/1.2A	Input: AC 100-240V Output: DC 5V/1.2A	Input: AC 100-240V Output: DC 5V/1.2A
PoE(802.3af) built-in	√	√	Optional
PoE(802.3af) class	Class 0	Class 2	Class 2
Handset(RJ9)	√	√	√
Headset(RJ11)	√	√	√
Foot stand	√	√	√
Wall mounting	×	√	√
Support expansion module	√	×	×
User interface			
SIP Accounts	6	3	2
Display type	320x160 graphic LCD with 4-level grayscales	132x64 graphic LCD	Three-line LCD (2 x 15 Characters and an icon line)
Hard keys	48	32	31
Line keys	6	3	2
DSS keys	10	x	x
Soft keys	4	4	0
Navigation keys	6	6	6
Volume key	√	√	√
Fixed Function keys	8	8	9
Programmable keys	16	8 (Pending)	4(Pending)
Power and ring indicator LED	√	√	√
SIP Accounts indicator LED	√	√	√
DSS keys with dual color LED	√	x	x
Message indicator LED	√	√	√
Headset indicator	LED	LCD	LCD



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	SIP-T28P	SIP-T22P	SIP-T20P
			
Voice			
HD voice	HD Codec HD Speaker HD Handset	HD Codec HD Speaker HD Handset	HD Codec HD Speaker HD Handset
G.722	√	√	√
G.711 A-law/μ-law	√	√	√
G.726	√	√	√
G.723.1	√	√	√
G.729AB	√	√	√
iLBC	Optional	Optional	Optional
HAC(Hearing aid compatibility)	√	√	√
VAD (Voice activity detection)	√	√	√
CNG (Comfort noise generator)	√	√	√
AEC (Acoustic echo canceling)	√	√	√
PLC/AJB/AGC	√	√	√
Side tone	√	√	√
Quality of Service(Qos)	802.1p/Q, ToS/DSCP	802.1p/Q, ToS/DSCP	802.1p/Q, ToS/DSCP
Telephony features			
Handsfree	Full Duplex	Full Duplex	Full Duplex
Redial	√	√	√
Mute	√	√	√
3-way conference	√	√	√
Speed Dial	√	√	√
Ringtone selection	√	√	√
Import of individual ringtone	√	√	√
Caller ID	√	√	√
Call hold	√	√	√
Call waiting	√	√	√
Call transfer (blind/attended)	√	√	√
Call forward	√	√	√
Call History (all/missed/ received/dialed)	√	√	√
DND	√	√	√
Voice mail	√	√	√
SMS	√	√	X
Message waiting indicator (MWI)	√	√	√
Phonebook entries	300	300	300
Phonebook import/export	√	√	√
Black list	√	√	√
Multi-language	√	√	√
Phone lock (keypad lock)	√	√	√
Tone setting	√	√	√
LCD display logo	√	√	X
# or * key as Send function	√	√	√
Hotline	√	√	√
Reset to factory	√	√	√

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Management (config/upg) Cont.			
TR069	Optional	Optional	Optional
SNMP	Optional	Optional	Optional
System log	√	√	√
SIP			
SIP v1 (RFC2543)	√	√	√
SIP v2 (RFC3261)	√	√	√
UDP/TCP/TLS	√	√	√
Out-of-band DTMF(RFC 2833)	√	√	√
In-band DTMF	√	√	√
SIP INFO DTMF	√	√	√
STUN client (NAT traversal)	√	√	√
Rport (RFC3581)	√	√	√
Digest/basic authentication	Digest (MD5)	Digest (MD5)	Digest (MD5)
Peer-to-peer SIP link mode	√	√	√
Loose and strict routing support	√	√	√
PRACK (RFC3262)	√	√	√
Error-information support	√	√	√
Reliability of provisional responses (RFC3262)	√	√	√
DNS SRV (RFC3263), redundant server support	Pending	Pending	Pending
Offer/answer (RFC3264)	√	√	√
Message Waiting Indication (RFC3842)	√	√	√
Subscription for MWI events (RFC3265)	√	√	√
Dialog-state monitoring (RFC 4235)	√	√	√
ENUM (RFC3261)	Pending	Pending	Pending
NAPTR (RFC2915)	Pending	Pending	Pending
REFER (RFC3515)	√	√	√
Event list subscription support (RFC4662)	√	√	√
Backup outbound proxy server	√	√	√
Other features			
Certification	CE/FCC/A-tic	CE/FCC/A-tick	CE/FCC/A-tick
Broadsoft Validated	√	√	√
LDAP	Optional	Optional	Optional
XML phonebook (Central phonebook)	√	√	X
XML browser	Pending	Pending	Pending
Packing			
Giftbox size	310x290x110mm	275x220x105mm	275x220x105mm
PCS/CTN	5 PCS	10PCS	10 PCS
Carton measure	580x320x300mm	565x550x235mm	565x550x235mm
Net weight	7.90 KG	12.20 KG	11.95 KG
Gross weight	9.20 KG	13.60 KG	13.35 KG



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