




**IP Phones Comparison  
Matrix SETU VP and CIP-7012**

Features	Matrix		
	SETU VP248S	SETU VP248P	Cip-7012
Photograph			
<b>Hardware</b>			
LCD Display	2-line 24-character backlit LCD display with Brightness and Contrast Control	6-line 24-character backlit LCD display with Brightness and Contrast Control	2 Line Grayscale Graphical LCD Display
Headset Interface	Audio Jack of 2.5 mm with standard RJ-11 Connector		RJ11 Headset Jack
Handset Interface	RJ-12 Connector to connect the phone handset		RJ11 Headset Jack
Adjustable Foot Stand	30° and 60°		Fixed Position
Adjustable Display Angles	Yes (Tiltable LCD Display)		Fixed Position
Ethernet	Two 10/100 Ethernet (LAN and PC) interfaces		Two 10/100 Ethernet (LAN and PC) interfaces
Dial Pad	12 Button Dialing Pad		12 Button Dialing Pad
Speaker	Full Duplex Speaker Key (Programmable) with LED and Volume Control Keys		Full Duplex Speaker Phone
Touch Sense Keys	17 Touch Sense Keys		Not Available
Line/extension/queue appearances DSS Keys	16 multi-coloured Programmable feature keys with LED indications		10 DSS Keys
<b>Out-going Call Management</b>			
Dialing Options	Direct Number Dialing from Dial Pad Dialing using IP address (URL Dialing) of called party Alphanumeric Dialing Peer-to-peer calls from table of 500 Entries for Abbreviated Dialing		Dial Pad, URL Dialing,
Hot-Pad Dialing	Used to make a call without lifting handset/ pressing the speaker key or headset key / pressing the call appearance key or selecting a call Appearance from menu		Yes
Hotline	Yes		Yes
LDAP Client	LDAP V3 to access and search the phonebook managed in centralized LDAP Server		No
Speed Dial	29 Numbers can be assigned to each key for speed-dialing		10 keys
Call Logs	20 Entries of Dialed, Answered, Missed, Forwarded and Rejected Numbers		Yes
SIP Accounts	3 SIP Accounts allow registration with SIP servers of ITSPs		3 SIP Accounts allow registration with SIP servers of ITSPs
Peer-to-Peer Calls	Peer-to-Peer Call Table with 500 Entries Facilitating dialing Abbreviated Codes (instead of IP address) while making a peer-to-peer calls		User need to dial complete IP address for making peer-to-peer call
<b>In-Coming Call Management</b>			
Incoming Call Indications	Ringer LED at top of LCD for attention grabbing indication of incoming/waiting calls Name and Number of called party is displayed on LCD		Ringer LED at top of LCD display Name and Number of called party is displayed on LCD
Voice Lines	One Voice Line with 4 Call Appearances		Simultaneous 12 Call Handling
Voice Mail Support	Dedicated voice-mail indication and retrieval key Voice-mails are received from connected ITSPs/ IP-PBXs voice-mail server		Yes
Voice Mail Indication	Incoming Voice Mail Indication: Voice Mail LED, Stuttered dial-tone, Voice message on Uplifting the Handset and Email Notification		Yes, with Message Wait count Display
<b>Localization</b>			
Day Light Saving	Yes		No
<b>Networking</b>			
IPv4	Yes		Yes
DHCP Client	Yes		Yes
PPPoE Client	Yes		Yes
VLAN Tagging	Yes		Yes
SNTP Client	Yes		Yes
NAT and STUN Support	Yes		Yes
<b>Voice</b>			
Voice Codecs	G.722(wide-band), G.723, G.729, G.726, PCMA, PCMU		G.711 (A/u Law), G.722, G.723.1, G.726, G.729A/B
Voice Quality	Dynamic Jitter Buffer (Adaptive), Full Duplex Audio, Speech Volume Settings, Comfort Noise Generation, Echo Cancellation, Voice Activity Detection(VAD) with silence suppression, Forward Error Correction (FEC)		Dynamic Jitter Buffer (Adaptive), Full Duplex Audio, Comfort Noise Generation, Echo Cancellation, Voice Activity Detection(VAD), Packet Loss Compensation
Vocoder Preference	Arrange Codecs in preference order, also aids in effective bandwidth utilization		Arrange Codecs in preference order, also aids in effective bandwidth utilization
<b>Provisioning, Administration and Maintenance</b>			
Phonebook	100 Entries		140 Entries
Web browser administration and configuration via integrated web server	Yes		Yes
Automated Provisioning and upgrade via HTTP and TFTP	Yes		Yes
Syslog Client, Multi-Level	Yes		Yes
PCAP Trace- Ethereal Capture to know signaling with ITSP or other system, without need of Hub	Yes		Not Provided
<b>Supplementary Services</b>			
Auto Answer	Yes		Yes
Busy Lamp Field	Yes		Yes
Caller ID	Yes		Yes
Call Transfer	Call Transfer-Blind and Attended		Yes
Call Waiting	Yes		Yes
Call Blocking	Yes, Anonymous and Selective		Yes
Call Hold	Yes		Yes
Call Forward	Call Forward - Busy and No Reply		Yes
Call Mute	Yes		Yes
Conference	Yes (3-Party)		Yes
Call Pick-Up	Yes		Yes
Call Park/unpark	Yes		Yes
Do-Not-Disturb	Yes		Yes
Last Number redial	Yes		Yes
Multiple Ring Tones	Yes		Yes (Preloaded, User importable)