Enterprise IP Phone

Model number: M12

A New Enterprise Color-LCD Phone with Intelligent DSS Key-mapping LCD Display



The new NICEUC M12 IP Phone is a high-end enterprise desktop phone which comes with 2 intelligent DSS Key-mapping color LCDs to increase enterprise users' productivity.

The M Series IP Phones are a Business Grade IP handset with a huge range of features and flexibility. The M Series was designed and built for Enterprise Businesses with its modern design and ergonomic feel.

About NICEUC Communication Co., Ltd

NICEUC Communication Co., Ltd. is a professional developer and manufacturer of VoIP products. NICEUC provides VoIP communication devices solutions for small and medium sized businesses, as well as large mission-critical enterprise environments.
Over the 16 years since its establishment, NICEUC Communication has built a strong engineering team and solid partnerships with IP communication chipset providers, such as HUAWEI, ZTE. NICEUC Technology is also an exclusive partner of Broadcom.

Highlights

- ✓ 2 DSS Key-mapping LCD – 12 DSS keys corresponded to the LCD display to provide dynamic DSS/BLF functions up to five pages at virtualized total 60 DSS keys.
- ✓ Gigabit Ethernet – 10/100/1000Mbps Ethernet with POE enabled.
- ✓ Economic and Environmental Friendly design with Elegant
- ✓ Housing, with high-resolution TFT color display, delivering a rich visual experience.
- ✓ High Interoperability – Compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.

Generic

- 6 SIP Lines
- HD Voice
- Support receiving Video call
- POE Enabled
- 3 LCDs (Main + DSS)
- Handset(HS) / Hands-free(HF) / Headphone(HP) mode
- Intelligent DSS Keys
- Optional External Power Supply
- Industrial Standard Certifications: CE/FCC

Call Features

- Call out / answer / reject
- Mute / Unmute (microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (depending on server)
- Redial
- Do-Not-Disturb (per line / per phone)
- Auto-Answering (per line)
- Voice Message (on server)
- Local 3-way Conference
- Hot Line
- Hot-Desking

Phone Features

- Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP)
- Call log (1000 entries, in/out/missed)
- Black/White List Call Filtering
- Screensaver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Support Bluetooth headset (Through USB Dongle BT20)
- Support Plantronics Wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Recording (Through Flash Drive)
- Action URL / Active URI
- CSTA

Video

- Video codec: H.264
- Video call resolution: QCIF / CIF / VGA

Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz
- Frequency Response)
- Wideband ADC/DAC 16KHz Sampling
- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB, AMR,iLBC,Opus
- Wideband CODEC: G.722, AMR-WB, Opus(16KHz)
- Full-duplex Acoustic Echo Canceller (AEC) – Hands-free Mode, 96ms tail-length
- 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

Networking

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / Open VPN
- VLAN
- LLDP
- QoS
- RTCP-XR(RFC3611),VQ-RTCPXR(RFC6035)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP (Basic Unencrypted)
- Open VPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR069

RFCs:

354/1321/1350/1769/1889/1890/2131/2132/2616/2617/2661/2833/2976/3261/3262/3263/
3264/3265/3268/3311/3489/3711/4346/4566/5630/
5865

Deployment & Maintenance

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

Physical Specifications

- Main LCD x1: 4.3 inch (480x272) color-screen LCD
- DSS Key-mapping LCD x2: 2.4 inch (240x320) color-screen LCD
- Keypad: 46 keys, including
  4 Soft-keys
  8 Function keys (Hold, Call forward, Conference, Phone book, Call log, MWI, Headset, Redial)
  4+1 Navigation keys + OK
  12 Standard Phone Digits keys
  3 Volume Control keys, Up/Down/Mute (Microphone)
  1 Hands-free key
  12 DSS Keys with tri-color LED
  1 Page-Switch (PS) key
- HD Hands-free Speaker (0 ~ 7KHz) x1
- HD Hands-free Microphone (0 ~ 7KHz) x1
- HD Handset (RJ9) x1
- USB Port x1 (Connect with BT USB dongle or Flash Driver)
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- RJ9 Phone Jacket x2: Handset x1, Headphone x1
- RJ45 Ethernet Jacket x2: Network x1 (802.3AF PoE class 3), PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- DC Power Input: 12V/1A
- Power Consumption: POE: Idle –3.12~ 3.6W, Peak – 6~10.1W, Adapter: Idle –1.97~ 2.32W, Peak –4.2~7.1W
- Working Temperature: 0 ~ 40℃
- Working Humidity: 10 ~ 95%
- Back Rack x1: Desktop Stand (Two angles)
- Color: Black
- Device Dimensions: 244 x 201 x 169.5mm(Desktop Stand)
- Gift Box Dimensions: 315 x 270 x 65mm
- Outer CTN Dimensions: 315 x 270 x 65mm (10 PCS)

Compatibility List:

