B20
BRANDED BY NTA

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Voice technology made simple

The B20 is a quality phone with great functionality, ideal for people who are low usage users or people who do not require a large amount of dedicated function keys. This handset has a slightly larger colour screen than that of the A10 model and supports 1000 Mbps Networking, The B20 handset would suit areas such as unmanned receptions, kitchens, meeting rooms and classrooms.

Phone Features

- **Local Phonebook (500 entries)**
- **Cloud Phonebook**
- **Call logs (In/Out/Missed, 600 entries)**
- **Black/White List Call Filtering**
- **Screensaver**
- **Voice Message Waiting Indication (MWI)**
- **Programmable DSS/BLF/Function Soft Keys**
- **Headset Support**
- **Action URL/Active URI**

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**
- **Redial/Auto-Redial**
- **Do-Not-Disturb**
- **Auto-Answering**
- **Voice Message**
- **3-way Conference**
- **Hot Line**
- **Hot Desking**

Model Specifications Comparison

B20

Screen 2.4" colour - **Ethernet** 10/100Mbps - **POE** Yes - **Power Adapter** Optional

Physical Specifications

- LCD: 2.4" Colour Screen
- Keypad: 28 keys, including
  › 4 Soft-Keys
  › 4 Function Keys (MWI, Headset, Mute, Redial)
  › 4 Navigation Keys
  › 1 OK Key
  › 12 Standard Phone Digits Keys
  › 2 Line Keys (with LED indicator light)
  › 1 Hands-free Key
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Back Rack x1
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)

- DC Power Input: 5V/1A
- Power Consumption:
  > Idle 0.9~1.65W, Peak 1.8~2.95W
- Working Temperature: 0~40
- Working Humidity: 10~95%
- Installation: Desktop Stand/Wall-mount
- Colour: Black
- Device Dimensions:
  > Desktop Stand (angles 1): 164.3 x 161.7 x 160.1mm
  > Desktop Stand (angles 2): 164.3 x 179 x 139.6mm
  > Wall-mount: 164.3 x 95 x 208.4mm
- Box Dimensions: 250 x 205 x 70mm (L x W x H)

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- PPPoE
- LLDP
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Generic

- 2 SIP Line
- HD Voice
- POE Enabled
- Colour Screen
- Handset/Hands-Free/Headset Mode
- Desktop/Wall-Mount Installation
- Optional External Power Supply

Networking

- 10/100Mbps Ethernet, Dual Bridged Port for PC Bypass
- IP Configuration: Static/DHCP/PPPoE
- Network Access Control: 802.1x
- VPN: L2TP/OpenVPN
- LLDP
- VLAN
- QoS
- RTCP-XR(RFC3611),VQ-RTCPXR(RFC6035)

Deployment & Maintenance

- Auto-Provisioning via: FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069
- Web Management Portal
- Web-Based Packet-Dump
- Configuration Export/Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

Audio

- HD Voice Microphone/Speaker (Handset/Hands-Free, 0~7KHz Frequency Response)
- Wideband ADC/DAC16KHz Sampling
- 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)

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