

# Digital Age Networking

For more information, visit:  
[www.al-enterprise.com](http://www.al-enterprise.com)




OmniAccess® Stellar

### Wi-Fi 6E Indoor OmniAccess Stellar 1451

**Indoor high-end premium Wi-Fi 6E access point for increasing IoT needs**


- 10 Gbps • 1536 clients • 48 SSID
- Tri radio 2.4GHz 4x4, 5GHz 8x8 & 6GHz 4x4
- Scanning radio
- USB 3.0 • 10GE+10GE
- DL and UL MU-MIMO
- WPA3 • Target Wake Time
- Temp: 0°C to 45°C
- Max power: 49W
- Retrocompatible with previous standards
- PoE powered 802.3bt
- BLE/Zigbee integrated



### Wi-Fi 6 Outdoor OmniAccess Stellar 1360

**Ruggedized Wi-Fi 6 access point for outdoor high-density environments**


- 3 Gbps • 1024 clients • 16 SSID
- Tri radio 2.4GHz 4x4, 5GHz 8x8 & 6GHz 4x4
- Scanning radio
- 4 radios - 1 dedicated to scanning
- WPA3 - DL and UL MU-MIMO
- Target Wake Time
- Temp: -40°C to 65°C
- Retrocompatible with previous standards
- Max power: 70W
- PoE powered 802.3bt/at
- BLE integrated



### Wi-Fi 6 Indoor OmniAccess Stellar 1351

**Outstanding bandwidth and speed for very demanding environments**


- 10 Gbps • 1536 clients • 24 SSID • 1200 g
- DPI • WPA3 • Tri radio 2.4GHz and Dual 5GHz
- 1 radio dedicated to scanning
- DL and UL MU-MIMO • Target Wake Time
- Temp: 0°C to 45°C • Max power: 60W
- Retrocompatible with previous standards
- PoE powered 802.3bt • BLE/Zigbee integrated



### Wi-Fi 6 Indoor OmniAccess Stellar 1320

**Wi-Fi 6 access point for indoor high-density environments**

- 3 Gbps • 1024 clients • 32 SSID
- 700 g • DPI • UL2043
- 4 radios - 1 dedicated to scanning
- WPA3 - DL and UL MU-MIMO
- Target Wake Time • Temp: 0°C to 50°C
- Retrocompatible with previous standards
- Max power: 18W • PoE powered 802.3/at
- BLE integrated



### Wi-Fi 6 Indoor OmniAccess Stellar 1301

**Wi-Fi 6 access point, basic entry-level for indoor; ideal for small and medium enterprises**


- 1.77 Gbps • 512 clients • 16 SSID
- 574 g • DPI • Dual radio • WPA3
- DL and UL MU-MIMO
- Target Wake Time • Temp: 0°C to 45°C
- Retrocompatible with previous standards
- Max power: 13.1 W
- PoE powered 802.3/af



### Wi-Fi 5 Outdoor OmniAccess Stellar 1251

**Ultra-high performance rugged access point. Ideal for all kinds of deployments in medium-density environments**

- 1.3 Gbps • 512 clients • 16 SSID
- 802.11ac Wave 2 • 2.23 Kg
- Dual radio • Temp: -40°C to 65°C
- Integrated antenna
- MU-MIMO
- IP67 rated • DPI
- Max power: 11.8W
- PoE powered 802.3af



### Wi-Fi 5 Indoor OmniAccess Stellar 1230

**Indoor ultra-high performance access points for high-density deployments**


- 4.2 Gbps • 768 clients • 24 SSID
- 802.11ac Wave 2 • DPI
- 4 radios - 1 inc. BLE
- Temp: 0°C to 45°C • WPA3
- 1.4 Kg • MU-MIMO
- UL2043 • BLE integrated
- Max power: 27.6W
- PoE powered 802.3af



### Wi-Fi 5 Indoor OmniAccess Stellar 1201

**Entry range, affordable, Wi-Fi 5 access point for small and large business deployments with IoT devices**


- 1.3 Gbps • 512 clients • 32 SSID
- 802.11ac Wave 2 • 310 g • Tri-radio • MU-MIMO
- Temp: 0°C to 45°C • UL2043 • Max power: 11W
- DPI • PoE powered 802.3af
- BLE and Zigbee integrated



### Wi-Fi 6 Indoor OmniAccess Stellar 1331

**Wi-Fi 6 premium mid-range access point for larger enterprises with intensive Wi-Fi usage**

- 3.55 Gbps • 1024 clients • 24 SSID • TWT
- 985 g • DPI • Dual Radio DL & UL MU-MIMO
- 1 radio dedicated to scanning • Temp: 0°C to 45°C
- PoE powered 802.3bt/at • BLE/Zigbee integrated
- Retrocompatible with previous standards
- Max power: 23W



### Wi-Fi 6 Indoor OmniAccess Stellar 1311

**Wi-Fi 6 premium entry-level for indoor; cost-effective and versatile for all type of enterprises**

- 1.77 Gbps • 512 clients • 16 SSID • 582 g
- 320 g • DPI • Dual Radio • WPA3
- DL & UL MU-MIMO • TWT
- Temp: 0°C to 45°C
- Max power: 12.7 W
- PoE powered 802.3at/af
- BLE/Zigbee integrated
- Retrocompatible with previous standards



### Wi-Fi 6 Indoor OmniAccess Stellar 1301H

**Wi-Fi 6 indoor designed for vertical industries and teleworkers**

- 1.77 Gbps • 1024 clients • 32 SSID
- 320 g • DPI • Dual Radio • WPA3
- DL & UL MU-MIMO • TWT
- Temp: 0°C to 45°C
- Max power: 12.7 W
- PoE powered 802.3at/af
- BLE/Zigbee integrated
- Retrocompatible with previous standards



### Wi-Fi 5 Indoor OmniAccess Stellar 1220

**Indoor Wi-Fi access point for medium and large deployments**


- 2.1 Gbps • 512 clients
- 16 SSID • 802.11ac Wave 2
- 700 g • Dual radio • WPA2
- MU-MIMO • Temp: 0°C to 45°C
- UL2043 • Max power: 15.6W
- DPI • PoE powered 802.3af



### Wi-Fi 5 Indoor OmniAccess Stellar 1201H

**Indoor hospitality high-performance Wi-Fi 5 Wave 2 access point**

- 1.2 Gbps • 256 clients • 16 SSID
- 802.11ac Wave 2 • 239 g • Dual radio
- WPA2 • MU-MIMO • Temp: 0°C to 45°C
- UL2043 • Max power: 12 W
- PoE powered 802.3af
- BLE via USB Dongle




OmniSwitch®

### Premium access OmniSwitch 6860E/6860N

**Advanced 24/48 ports 1G/Multigig switch for campus and Data Center networking**


- PoE+ and non-PoE models • Up to 95W PoE and 3.4 kW PoE budget
- XLAN • SPB\*\* • iFab • Virtual chassis • Automatic VLAN
- Context-based QoS • JTIC • IPv4/v6 • FIPS • VRF • Advanced routing
- Multicast • EAL-2/NDcPP • UNP\* • Smart analytics
- Application analytics • MACsec encryption



### Advanced access OmniSwitch 6570M

**Advanced 12/28 ports 1G/10G switch for Enterprise and Service Provider Networks**


- Metro Ethernet Services enabled • Virtual chassis
- Automatic VLAN • Advanced QoS • IPv4/v6
- Static/Dynamic routing • Multicast • UNP
- EAL-2/NDcPP\* • CE 3.0 certified\*
- MACsec encryption\*



### Advanced access OmniSwitch 6560

**Cost-effective Layer 2+ 24/48 ports Multigig access switch for large IoT-based networks**


- 802.3bt PoE • PoE+ and non-PoE models • 2x20G virtual chassis ports
- Fiber SFP+ ports • Modular power supply • HPoE up to 95W/port
- IoT enablement • User/devices fingerprinting • Static IPv4/v6 routing
- UNP\* • MACsec encryption • Automatic VLAN • Context-based QoS
- Virtual chassis



### Value access OmniSwitch 6360

**Advanced Layer 2+ 10/24/48 ports 1Gb for classroom, campus and small/branch enterprise**


- PoE+ and non-PoE models • 10G SFP+ uplinks
- Static IPv4/v6 routing • UNP • Fiber SFP Ports
- IoT enablement • Fanless (10/24 ports) • Virtual Chassis
- Perpetual/Fast PoE • Multigig/HPoE on P48X model



### SMB and Websmart access OmniSwitch 2260/2360

**Cost Effective 8/24/48 ports stackable, websmart Gigabit Ethernet Switch**


- Virtual chassis • Standalone • PoE+ and non-PoE models
- Static IPv4/v6 routing • Fiber SFP Ports • Fanless (10/P10/24 ports)
- Perpetual/Fast PoE • 802.1X/MAC Auth
- Advanced QoS and ACLs • 10G SFP+ uplinks on "X" models
- \*Available in select geographies



### Ruggedized OmniSwitch 6865

**Advanced Layer 3 fanless Ethernet switches designed to operate in the harshest industrial environments**

- PoE+ and non-PoE models SFP+ uplinks SPB\*\* Virtual chassis
- Temp: -40° C to 75° C • EAL-2/NDcPP • Advanced stacking and routing
- VRF • Multicast • IPv4/v6 • JTIC • UNP\* • Automatic VLAN
- Advanced L3 • Fast / Perpetual • High surge tolerance • 802.3bt PoE
- HPoE up to 75W/port • IoT enablement • Support IEEE 1588v2 PTP • iFab
- Certified for: DNV MIL Railway Electric substation TAA NEMA-TS2



### Ruggedized and high-temperature OmniSwitch 6465/6465T

**Compact hardened fanless 6/12/28 ports Gigabit Ethernet switches for industrial applications**

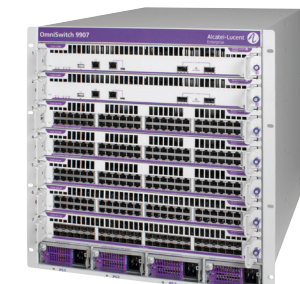
- PoE+ and non-PoE models • 802.3bt PoE
- HPoE up to 60W/port • Instant/continuous PoE
- Network automation • Virtual chassis • High surge tolerance
- DIN mountable • MACsec encryption • Zero touch provisioning
- IoT enablement • Support IEEE 1588v2 PTP • Disaster recovery
- Extended temperature ruggedized



### Modular core switch OmniSwitch 9900

**High-density chassis for core campus and Data Center networks**


- 7 Slot modular chassis • 25.6 Tb/s aggregated switching capacity (with two OS9907-CFM2) • Up to 10,800W of PoE budget
- Virtual chassis • VRF • Advanced routing • MACsec • Multicast • IPv4/v6
- FIPS 140-2 Core network and DC Fabric at 1G/10G/25G/40G/100G
- Programmability: Python, RESTful API, OpenStack • EAL-2/NDcPP
- JTIC • SPB\*\* • UNP\*



### Stackable core switch OmniSwitch 6900

**High-performance switch for core campus and Data Center networks**

- 1U switches
- Multiple fixed configurations of 1/10/25/40/100G ports
- Virtual chassis • Advanced routing • VRF • Multicast
- IPv4/v6 • JTIC • ISSU • SPB\*\* • UNP\*
- Programmability: SDN, OVSDB, OpenStack, Python, Rest API, SSH
- FIPS 140-2 • EAL-2/NDcPP • MACsec




Network Management and Cybersecurity

### Alcatel-Lucent OmniVista® Network Advisor

**Network Advisor is an AI-powered IT companion that eases network teams' daily operations**


- Detect network issues
- Simplify troubleshooting
- Accelerate security threat detection, reaction & mitigation
- Benchmark network performance
- Get alerts on possible provisioning errors and proposal on corrections
- Get a comprehensive picture of the health of the network



### Alcatel-Lucent OmniVista® 2500 Network Management System

**Unified management and network-wide visibility for your LAN and WLAN infrastructure. Includes a full set of tools for converged campus networks and datacenters**


- Automated reporting
- Full HTML 5 web-based client
- Monitor and manage end-to-end LAN and WLAN infrastructures



### Alcatel-Lucent OmniVista® Cirrus Network Management as a Service

**Cloud-based network management for LAN and WLAN**

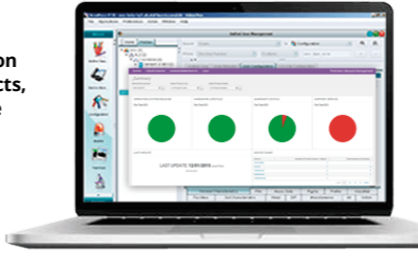
- Web-based user interface
- Advanced BYOD
- Multi-tenant support
- Multi-customer management
- Subscription-based offer
- IoT visibility and inventory
- Lifecycle management



### Alcatel-Lucent Proactive Lifecycle Management PaLM

**Cloud-based application providing visibility on all Alcatel-Lucent Enterprise network products, warranties and service contracts at-a-glance**

- Online dashboard
- Real-time charts on device capacity
- Operating system and status visibility
- Warranty status
- End-of-sale products upgrade recommendations



### Network as a Service by Alcatel-Lucent Enterprise

**It is a new way for businesses to purchase network infrastructure—hardware, licenses, applications, and management tools—with agile life cycle services through subscriptions. This is a modular offer to meet your business needs**

- Reduce time to benefit
- Quickly adapt to business needs
- Maximum agility and scalability
- Free up IT Staff with improved network operations
- Predictable costs for your network infrastructure
- All-inclusive Support Offer

### OmniAccess® Stellar Asset Tracking

**It provides smart connection to assets, so you can locate equipment and people in real-time, optimizing operations and reducing costs.**

- Real-time location & geofencing
- Asset tracking & asset management
- Automated & push button security alerts
- Contact tracing & contact history
- People location & people flow
- Equipment maintenance scheduling
- Workflow optimization
- APIs for 3rd party integration




Communications Products

Network Products



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# Digital Age Communications

For more information, visit:  
[www.al-enterprise.com](http://www.al-enterprise.com)

Alcatel-Lucent  
 Enterprise

Any cloud

## UCaaS Public Cloud

**Rainbow Office powered by RingCentral**  
 All-in-one Public Cloud UCaaS including traffic available in France, Germany, Austria, Spain, Italy, Belgium, Netherlands, Ireland and United Kingdom  
**Message:** Seamless team collaboration  
**Video:** Meetings anywhere with up to 200 participants  
**Phone:** Powerful call control



**Rainbow Office Services Plans:**  
**Essentials** - message and phone with 100 calling minutes in EMEA Zone /user/month  
**Standard** - message video and phone with 500 calling minutes in EMEA Zone /user/month  
**Premium** - message video and phone with 1000 calling minutes in EMEA Zone /user/month  
**Ultimate** - message video and phone with 2000 calling minutes in EMEA Zone /user/month

**Add-on licenses:**  
**Rainbow Office Rooms** - equip a meeting room with an RBO license and devices  
**Rainbow Office Room Connector** - reuse your existing video conferencing devices  
**Unlimited call** - unlimited calling capacity in EMEA Zone  
**Live Report** - live analytics capabilities  
**Global Office** - calling capabilities extended to 100+ countries



## Connected platforms Hybrid Cloud

**Communications Suite for Small Medium and Large Enterprise**  
 • On premises connected platforms (to cloud services Private or Public SaaS) • Hosted solution  
 • Hybrid IP/SIP/Digital • Integrated Voice Mail Server • Network Management System  
**OmniPCX Enterprise Purple** • MLE business communications • Campus  
 • Centralized multi-site • Virtual or Appliance • Native encryption  
**Purple on Demand** • Simplified and flexible offer based on OmniPCX Enterprise Purple platform  
**OmniPCX Open Gateway** • REST full APIs platform for OmniPCX Enterprise Purple platform  
**OpenTouch® Session Border Controller** • SIP perimeter defense for MLE  
**OXO Connect** • SMB business communications • Compact, Small, Large models  
**OXO Connect Evolution** • 100% IP • Rainbow WebRTC Gateway included  
**Alcatel-Lucent OmniVista 8770 NMS** • Modular network management  
 • Role-based delegation • VoIP reports



**Rainbow Hybrid by Alcatel-Lucent Enterprise**  
 • Unified communications for connected platforms (WebRTC gateway with PBX)  
 • Agile mobility • One number service • Phone companion • Call transfer • Audio/video calls  
 • Team collaboration • Secure messaging • File sharing • Video conferencing  
 • Meeting room equipment • Integration with Microsoft 365® and Google Suite®  
 • SaaS connectors (Office suite, CRM, ERP, ITSM)

**Rainbow Hybrid Services Plans:**  
**Business** - fee/user/month  
**Enterprise** - fee/user/month  
**Enterprise Dial-in** - fee/user/month  
**Dial-in option** - fee/minute/connection  
**Connect option** - fee/user/month  
**Room option** - fee/room/month  
**Essential** - free of charge



## Private Cloud

**Rainbow Edge by Alcatel-Lucent Enterprise**  
 • For large enterprises that require their data to be hosted on their own instance - in a private cloud or on-premises  
**OpenTouch Enterprise Cloud**  
 • Business communications as a service  
 • Hosted or on premises  
 • Based on OmniPCX Enterprise Purple platform

## CPaaS

**Rainbow Hub by Alcatel-Lucent Enterprise**  
 • For customers who wish to combine their existing traffic provider with real-time collaboration provided by Rainbow by Alcatel-Lucent Enterprise.  
 Rainbow Hub is an ALE offer delivered in partnership with selected business partners.

## Security and Compliance

- ISO 27001
- European GDPR
- Common Criteria EAL2+ certified
- HIPAA
- French HDS
- ENS
- IEC Industrial Environmental
- Encryption of communications and data
- Single Sign-on (SSO)



Per solution details on our public web site.

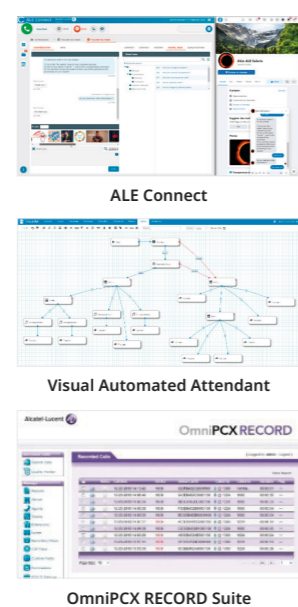


Connect everything

## Contact Center Attendant Recording Customer interactions

**Solutions for SMB**  
**OmniTouch® Call Center Office** • Company greeting • Distribution • Reporting • Statistics  
**Built-in OXO Connect Applications** • Greeting message • Automated attendant  
 Attendant console • Voicemail • Smart call routing • Hospitality features  
**PIMphony** • Basic • Pro • Team • Attendant • Personal Communication Manager

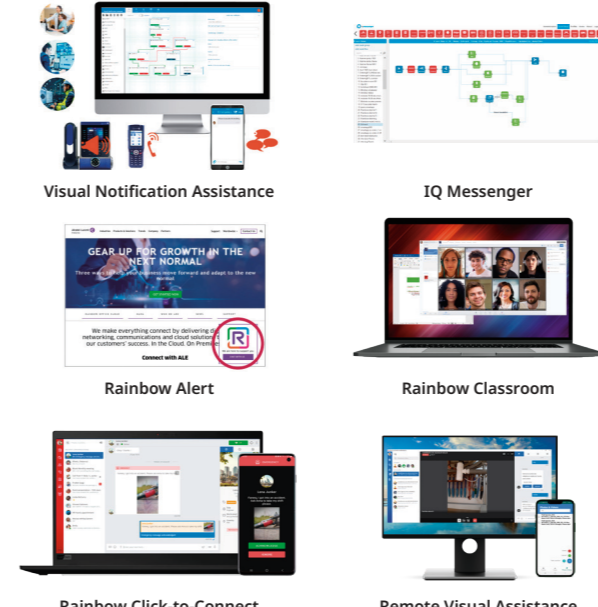
**Solutions for Mid and Large Enterprise**  
**ALE Connect** • Email, web chat, Twitter, Facebook Messenger • Web-based Agent Desktop  
 Hybrid Cloud service with OmniTouch Contact Center SE  
**OmniTouch Contact Center SE** • Call supervision and distribution  
**Soft Panel Manager** • Contact Center statistics and business data display in real time  
**Visual Automated Attendant** • Automated 24/7 call routing and greeting  
**OmniTouch 4625 IVR** • Easy-to-use Interactive Voice Response  
**Alcatel-Lucent 4059 Extended Edition Attendant Console** • Professional welcome PC application  
**OmniPCX RECORD Suite** • Call recording, video and screen capture



## Industries Verticals

**Hospitality**  
 • Deliver superior connected guest experiences  
**Healthcare**  
 • Optimize the care pathway for better outcomes  
**Education**  
 • Simplify the learning experience  
 • Extend, Engage, Educate. Activate your remote learning experience  
**Government**  
 • Build thriving, attractive communities  
**Transportation**  
 • Better services for staff and travelers through smarter subsystems

**Visual Notification Assistant**  
 • Broadcast voice and text messages to phones and applications  
 • Manage situations including geolocation of ALE phones and softphones  
**IQ Messenger** • Alarm system for healthcare and other industries  
**IoT Hub** • Connect IoT to Rainbow and to any workflow  
**OmniPCX Open Gateway** • Integrate communications in your business application of choice  
**Rainbow Alert** • Priority-based messaging with persistent audio alerts  
**Remote Visual Assistance** • Digitizing and connecting field services for operational excellence  
**Rainbow Classroom** • Recreate the physical classroom with real-time collaboration with or without an LMS  
**Rainbow Click-to-Connect** • Chat, call with video from within any website  
 On-premises or in the Cloud with APIs for business processes integration.  
 Third-party solutions with the Alcatel-Lucent Developer and Solution Partner Program:  
[www.al-enterprise.com/partners/dspp](http://www.al-enterprise.com/partners/dspp)



## Business application integrations

Connectors for the most popular SaaS applications:  
 • Microsoft Teams  
 • Microsoft Dynamics  
 • Zendesk  
 • Zoho  
 • Amazon  
 • Google Suite  
 • Salesforce  
 • Servicenow  
 • Hubspot  
 • Slack  
 • Okta  
 • and more...



## Meeting room integrations

**Rainbow Office Rooms**  
 • Start, join and control video meetings in a conference room  
 • Rainbow Office Rooms kits and appliances for HD audio and video • Smartphone app as controller • Quality analytics  
**Rainbow Office Room Connector**  
 • Connect existing compatible third-party SIP-based video conferencing devices

**ALE-400, ALE-500 DeskPhones**  
 • 3D audio broadcasting  
 • 360° audio capture with 3 microphones  
**8135s IP conference phone**  
 • Audio suitable for large rooms  
 • Directory lookup • ALE Unite application  
 • Bluetooth • USB  
**EGO personal speakerphone**  
 • Portable conference module  
**Rainbow Room**  
 • Power up any room into a virtual conference room



Digital workplace

## On-site mobility DECT / WLAN

**DECT handsets**  
**8262/8262Ex** • IP65 • Industrial design • Business features  
 • Bluetooth • Alarms • Worker protection  
**8254** • IP65 ruggedized • Antibacterial plastics and lens  
 • Business features • Large color screen  
**8244** • Business features • Large color screen  
 • Bluetooth • Alarms • Alarm key on top  
**8234** • Business features  
**8212** • Basic, GAP



**WLAN handsets**  
 • Sturdy design • 15h talk time  
**8158s** • SIP/NOE • Business features  
 • Color screen • Alarm features  
**8168s** • Business features • SIP/NOE  
 • Wideband audio • Color screen  
 • Alarm features • BTLE-ready

**DECT, IP-DECT, WLAN Access points**  
**8318 SIP-DECT 8378 IP-xBs**  
**8379 DECT**      **8379 DECT ATEX**



## Desk phones Softphones ALE DeskPhones

**ALE DeskPhones: Enterprise**  
 • Symphonic HD audio • 3D soundbar  
 • 2xUSB-C ports • Gigabit Ethernet PC port  
 • Business features • Hot-desking mode  
 • VPN client • Customization kits : 4 colours  
 • Bluetooth / WLAN module • Alphabetic keyboard  
 • Color-screen key expansion module  
**ALE-500**  
 • 5.5" touch screen • 3 microphones  
 • Bluetooth handset option • No handset model  
**ALE-400**  
 • 4.3" touch screen • Mechanical dial pad  
 • 3 microphones • Bluetooth handset option  
**ALE-300**  
 • 3.5" colour screen  
 • 10 contextual keys with LED

**ALE DeskPhones: Essential**  
 • Wideband audio • Business features  
 • USB-a, USB-c ports  
**ALE-30h** • 3.5" colour screen  
 • 10 contextual keys with LED  
**ALE-20h** • 2.8" backlit screen  
 • 6 contextual keys with LED  
**ALE-20** • 2.8" backlit screen • 6 contextual keys with LED • Gigabit Ethernet PC port

**ALE DeskPhones: Basic**  
**ALE-3** • 2.8" color screen • 4 contextual keys  
 • SIP • USB-a • Gigabit Ethernet PC port  
**ALE-2** • 2.8" backlit screen • 3 contextual keys  
 • SIP • Gigabit Ethernet PC port



**8088 Smart DeskPhone**  
 • 7" touch screen  
 • Built-in video camera  
 • SIP or Business features  
 • Android apps  
**8088G, 8088 DeskPhones**  
 • Compact format  
 • Business features  
 • 8088G:  
 • Gigabit Ethernet PC port



**ALE SoftPhone**  
 • SIP • LAN • Off-site (SBC)  
 • PC • Android  
**IP Desktop Softphone**  
 Business telephony  
 • Agent features • VoIP  
 • LAN • Off-site (VPN)  
 • PC/Mac  
 • Android smartphones and tablets



## SIP phones ALE SIP DeskPhones

• SIP features • For third-party phone systems  
 • 2 USB ports for M series  
**M8** • 5" color screen • BT 5.0 • Wi-Fi  
 • 20 SIP accounts  
**M7** • 3.5" color screen • BT 4.1  
 • 8 programmable keys  
**M5** • 2.8" color screen  
 • 8 programmable keys  
**M3** • 2.5" backlit screen  
 • 6 programmable keys • PoE  
**H6** • 2.8" color screen  
 • 4 contextual keys • PoE  
**H3G/H3P** • 2.8" backlit screen  
 • 3 contextual keys • PoE  
**H2/H2P** • Backlit screen • RJ9 port  
 • Open VPN

