

Digital Age Networking

For more information, visit:
www.al-enterprise.com

OmniAccess® Stellar

Wi-Fi 7 Indoor OmniAccess Stellar 1521

Indoor mid-range Wi-Fi 7 access point

- 12.2 Gbps • 1536 clients • 36 SSID
- Tri Radio, 6 GHz 2x2:2, 5 GHz 4x4:4 and 2.4 GHz 2x2:2
- USB-C • Scanning radio • USB 2.0
- 1x10GbE + 1x1GbE • MLO • 320MHz
- 4K-QAM • DL and UL MU-MIMO
- WPA3 • Temp: 0°C to 50°C
- BLE/Zigbee integrated • TPM 2.0
- PoE powered 802.3at/bt
- Retrocompatible with previous standards



Click for more details

Wi-Fi 7 Indoor OmniAccess Stellar 1511

Indoor entry range premium Wi-Fi 7 access point

- 9.328 Gbps • 768 clients • 36 SSID
- Tri Radio, 6 GHz 2x2:2, 5 GHz 2x2:2 and 2.4 GHz 2x2:2
- USB-C • USB 2.0 • 1x 5GbE • MLO
- 320MHz • DL and UL MU-MIMO
- WPA3 • Temp: 0°C to 50°C
- BLE/Zigbee integrated
- TPM 2.0 • PoE powered 802.3at
- Retrocompatible with previous standards



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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



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Wi-Fi 6E Indoor OmniAccess Stellar 1431

Indoor premium Wi-Fi 6E access point that provides high-efficiency and high-performance for high client density environments.

- 4.2 Gbps • 512 clients • 16 SSID
- Tri Radio, 6 GHz 2x2:2, 5 GHz 2x2:2 and 2.4 GHz 2x2:2
- Max power: 34W • USB 3.0 • 2.5GE + 2.5GE
- DL and UL MU-MIMO • WPA3
- Target Wake Time • Temp: 0°C to 45°C
- Retrocompatible with previous standards
- PoE powered 802.3bt • BLE/Zigbee integrated



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Wi-Fi 6E Indoor OmniAccess Stellar 1411

Indoor premium Wi-Fi 6E access point that delivers excellent connectivity, coverage and performance.

- 3.6 Gbps • 512 clients • 16 SSID
- Dual Radio: 2.4GHz 2x2+5GHz 2x2 or 2.4GHz 2x2+6GHz 2x2 or 5GHz 2x2+6GHz 2x2
- USB 3.0 • 2.5GE • 2.5GE
- DL and UL MU-MIMO • WPA3 • Target Wake Time
- Temp: 0°C to 45°C • Max power: 25W
- Retrocompatible with previous standards
- PoE powered 802.3bt
- BLE/Zigbee integrated



Click for more details

Wi-Fi 6 Outdoor OmniAccess Stellar 1360

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

- 4.2 Gbps • 1024 clients • 16 SSID
- 2.23 Kg • DPI • IP67 rated
- 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



Click for more details

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 Dural 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



Click for more details

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 • 32 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



Click for more details

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 802.3at
- BLE integrated



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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
- DPI • 4 radios - 1 dedicated to scanning
- WPA3 • DL and UL MU-MIMO
- Target Wake Time • Temp: 0°C to 45°C
- Retrocompatible with previous standards
- Max power: 19.1 W • PoE powered
- 802.3af/at • BLE integrated



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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 802.3af



Click for more details

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



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Distributed Wi-Fi Control Architecture

Alcatel-Lucent Enterprise OmniAccess Stellar products embed WLAN control in access points (APs) and eliminating the need for physical centralized controllers.

ALE smart and advanced APs are managed as a single system or cluster, in a distributed and coordinated manner. Distributed architecture from ALE delivers the best performance and scalability, and ensures high availability, with operational simplicity and low Total Cost of Ownership (TCO)

- Integrated WLAN controller
- Coordinated intelligence
- Lower CAPEX & OPEX
- Improved resiliency
- No traffic bottleneck and decreased latency
- Better scalability

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OmniSwitch®

Premium access OmniSwitch 6870

Advanced 24/48 ports 1G/Multi-gig and 25G switches for campus and Data Center networking

- All Multi-gig ports on PoE models, comprehensive 2.5G/5G/10G models to select
- 802.3bt PoE up to 95W per port and 3.3 kW PoE budget • Flexible PSU Load-Sharing PoE
- PoE and non-PoE models can stack together • Various uplink speed up to 200G
- OmniFabric ready • 256-bit MACsec on all ports • Telemetry • SPB • VxLAN
- Virtual chassis • QoS • IPv4/v6 • VRF • Advanced routing • Multicast • UNP



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Premium access OmniSwitch 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
- VxLAN • 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



Click for more details

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



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Advanced access OmniSwitch 6560/E

Cost-effective Layer 3 24/48 ports Multigig access switch for large IoT-based and Wi-Fi 6/7 networks

- 802.3bt PoE • PoE+ and non-PoE models • 2x20G virtual chassis ports
- Fiber SFP+ ports • Modular load-sharing power supplies • Up to 95W/port
- IoT profiling enablement • Advanced QoS • IPv4/v6 • Static/Dynamic routing
- UNP • MACsec encryption • Automatic VLAN • Context-based QoS
- Virtual chassis



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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



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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 • FIPS 140-2 • iFab
- Certified for: DNV MIL Railway Electric substation TAA NEMA-TS2



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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



More details on 6465

More details on 6465T

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



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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



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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



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Shortest Path Bridging (SPB)

Upgraded Ethernet network provisioning: SPB delivers traffic on the shortest path available, enabling virtualization and real-time apps.

It optimizes network performances and minimize downtime when adding, removing or replacing network devices — no matter the underlying physical architectural design, whether it is a virtual chassis, a pod, a mesh or a spine and leaf configuration.

- Dynamic network topology
- Less complex operations
- Create a multi-path fabric for traffic distribution
- Automatic configuration
- Plug-and-play capabilities
- Save time
- Optimize available bandwidth

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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



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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



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Alcatel-Lucent OmniVista® Cirrus Network Management

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



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OmniSwitch VMS Plugin for Milestone solutions

Boost operational efficiency and improve video surveillance infrastructure security.

- It allows users to create, modify, and delete ALE switches connected to cameras managed by the VMS
- Up to 70% of camera problems can be resolved remotely by the VMS operator
- Enhances the efficiency and responsiveness of the camera management system
- Enables you to view cameras connected to the switchboards and provide real-time status of the switches and ports
- Allows resetting of a camera and locking the MAC address to a port directly from the smart client



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Asset Tracking

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
- API's for 3rd party integration



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Network as a Service

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

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Digital Age Communications

For more information, visit:
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Alcatel-Lucent
Enterprise

Any cloud

Connected platforms - Hybrid Cloud

On-premises connected platform to cloud services (Private or Public SaaS)
Hybrid/IP/SIP/Digital connectivity

Communications Suite for SMB
OXO Connect • SMB business communications • Compact and small models
OXO Connect Evolution • 100% IP • Rainbow WebRTC Gateway included

Communications Suite for MLE
OmniPCX Enterprise Purple • Campus • Centralized multi-site
• Virtual or Appliance • Native encryption
Purple on Demand • Subscription-based offering
• Based on the OmniPCX Enterprise Purple platform and its applications suite
OmniPCX Open Gateway
• REST full APIs platform for OmniPCX Enterprise Purple platform
OpenTouch® Session Border Controller
• SIP perimeter defense for MLE

Network Management System
Alcatel-Lucent OmniVista 8770 NMS • Modular network management
• Role-based delegation • VoIP reports

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Rainbow Hybrid
• Unified communications for connected platforms (WebRTC gateway integrated or connected to the PBX)
• Multi-devices (Desktop, Web, iOS, Android) • One number service • Call transfer • Audio/video calls
• Team collaboration • Secure messaging • File sharing
• Video conferencing up to 49 on-screen participants • Meeting room equipment
• Integration with Microsoft 365® and Google Suite®
• SaaS connectors (Office suite, CRM, ERP, ITSM)

Rainbow Hybrid Services Plans:
Rainbow Hybrid comes with a subscription per user/month or year(s): Business, Enterprise, Enterprise Dial-in, Attendant and options (Connect, Room, Alert).
Details are available from your sales representative or Business Partner.



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Private Cloud

Rainbow Edge
• For large enterprises that require their data to be hosted on their own instance – in a private cloud or on-premises



Purple on Demand
• Business communications as a Service (based on a subscription)
• Hosted or on-premises
• Based on the OmniPCX Enterprise Purple platform

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UCaaS Public Cloud

Rainbow Hub
A complete cloud-based solution for all your communications needs. Traffic via Business Partners.

All in one: telephony, collaboration and video conferencing
Multi-devices: single intuitive application available on PC, tablet and smartphone
Flexible: pay per user model with full scalability
Trusted: a sovereign cloud platform

Rainbow Hub Services Plans:
Rainbow Hub comes with a subscription per user/month or year(s): Voice Phone, Voice Business, Voice Enterprise, Voice Enterprise Dial-in, Voice Attendant and options (Connect, Room, Alert).
Details are available from your sales representative or Business Partner.

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Security and Compliance

- ANSSI CSPN
- ISO 27001
- European GDPR
- HIPAA
- HDS
- ENS
- FERPA
- Encryption of communications and data

Per solution details on our public web site.

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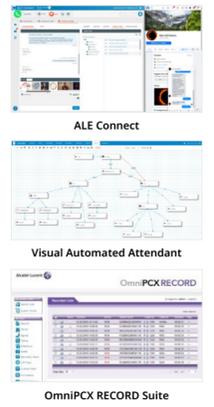
Connect everything

Contact Center - Attendant - Recording

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 MLE
• ALE Connect • Omnichannel contact center (email, live chat, social media, and phone)
• 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
• Alcatel-Lucent 4059 Extended Edition Attendant Console • Professional welcome PC application
• OmniPCX RECORD Suite • Call recording, video and screen capture

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Industries Verticals

- Education**
 - Empowering student success
- Energy and Utilities**
 - Enabling smarter, safer and greener energy and utilities
- Government**
 - Optimizing government efficiency and public safety
- Healthcare**
 - Optimizing the care pathway
- Hospitality**
 - Empowering staff digital services
- Transportation**
 - From connected to smart transportation

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Business application integrations

Connectors for the most popular SaaS applications:

- Microsoft Teams
- Microsoft Dynamics
- Zendesk
- Zoho
- Jadu
- Pipedrive
- and more...
- Google Suite
- Salesforce
- ServiceNow
- HubSpot
- SuiteCRM
- Freshsales



Meeting room, Conferencing and Webinar

Rainbow Webinar
• Create your webinar session directly from the Rainbow client
• Manage and add easily speakers and host
• Offer a better experience with YouTube videos in the waiting room
• Boost engagement with live polling
• Record the webinar session
• Get analytics

ALE-400, ALE-500 DeskPhones
• 3D audio broadcasting
• 360° audio capture with 3 microphones

AH-80 headset
• Comfortable Bluetooth headset for remote meetings

Rainbow Room
• Turn any room into a virtual conference room

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Digital workplace

On-site mobility

DECT / WLAN

DECT handsets
8262/8262Ex • IP65 • Industrial design • Business features
• Bluetooth • Alarms • Lone 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

WLAN handsets
• Rugged design • 15 hours talk time
8158s • SIP/NOE • Business features
• Color display • Alarm features
8168s • Business features • SIP/NOE
• Wideband audio • Color display
• Alarm button • BTLE compatible

DECT, IP-DECT, WLAN Access Points
8328 SIP-DECT / 8378 IP-xBs
8379 DECT / 8379 DECT ATEX



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Desk phones - Softphones

ALE DeskPhones

ALE DeskPhones: Enterprise
• NOE-IP and SIP (OmniPCX Enterprise Purple)
• Wideband audio • Business features
• USB-A, USB-C ports • ALE-10 alphabetic keyboard
• EM200 color expansion module
ALE-30/30h • 3.5" color screen
• 10 contextual keys with LED
• Dual Gigabit Ethernet port
• Hybrid digital / IP port (ALE-30h)
ALE-20/20h • 2.8" backlit screen
• 6 contextual keys with LED
• Dual Gigabit Ethernet port
• Hybrid digital / IP port (ALE-20h)
ALE-400 • 4.3" touch screen
• Mechanical dial pad
• 3 microphones • Bluetooth handset option
ALE-300 • 3.5" color screen
• 10 contextual keys with LED

ALE DeskPhones: Essential
• NOE-IP and SIP (OmniPCX Enterprise Purple)
• Wideband audio • Business features
• USB-A, USB-C ports • ALE-10 alphabetic keyboard
• EM200 color expansion module
ALE-30/30h • 3.5" color screen
• 10 contextual keys with LED
• Dual Gigabit Ethernet port
• Hybrid digital / IP port (ALE-30h)
ALE-20/20h • 2.8" backlit screen
• 6 contextual keys with LED
• Dual Gigabit Ethernet port
• Hybrid digital / IP port (ALE-20h)

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

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SIP phones

ALE SIP DeskPhones

• For third-party SIP communication systems
• OpenVPN • PoE • IP4/IP6
• 2 USB ports and Expansion Modules for M Series
M8 • 5" color screen • BT 5.2 • Wi-Fi
• 20 SIP accounts
M7s pro • 3.5" color screen • BT 5.2
• Wi-Fi • 8 SIP accounts
M7s/M7 • 3.5" color screen • BT 4.1 (M7)
• 8 programmable keys
M5s/M5 • 2.8" color screen
• 8 programmable keys
M3s/M3 • 2.8" backlit screen • 6 programmable keys
H6 • 2.8" color screen • 4 contextual keys • USB-A port
H3G • 2.8" backlit screen • 3 contextual keys
H2P • 2.3" backlit screen • RJ9 port

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