

# Digital Age Networking

For more information, visit:  
[www.al-enterprise.com](http://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, 5 GHz 4x4 and 2.4 GHz 2x2
- USB-C • Scanning radio • USB 2.0
- 1x10GbE + 1x1GbE • MLO • 320MHz
- 4K-AMOLED • DL and UL MU-MIMO
- WPA3 • Temp: 0°C to 50°C
- BLE/Zigbee Integrated • TPM 2.0
- PoE powered 802.3at/bt
- Retropicable with previous standards



[Click for more details](#)

**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
- Retropicable with previous standards
- PoE powered 802.3bt • BLE/Zigbee integrated

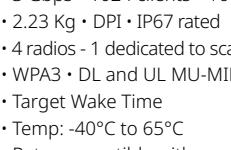


[Click for more details](#)

**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, 5 GHz 2x2 and 2.4 GHz 2x2
- 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
- Target Wake Time • Temp: 0°C to 45°C
- Max power: 49W
- Retropicable with previous standards
- PoE powered 802.3bt • BLE/Zigbee integrated

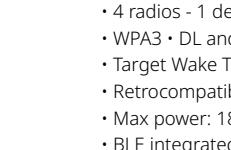


[Click for more details](#)

**Wi-Fi 6 Outdoor OmniAccess Stellar 1360**

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

- 10 Gbps • 1536 clients • 24 SSID • 1200 g
- DPI • WPA3 • Tri radio 2.4GHz and Dual 5GHz
- 2.23 Kg • DPI • IP67 rated
- 4 radios - 1 dedicated to scanning
- DL and UL MU-MIMO • Target Wake Time
- Temp: 0°C to 45°C • Max power: 60W
- Target Wake Time
- Temp: 40°C to 65°C
- Retropicable with previous standards
- Max power: 70W
- PoE powered 802.3bt/at • BLE/Zigbee 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 Dual 5GHz
- 2.23 Kg • DPI • IP67 rated
- 4 radios - 1 dedicated to scanning
- DL and UL MU-MIMO • Target Wake Time
- Temp: 0°C to 45°C • Max power: 60W
- Target Wake Time
- Temp: 40°C to 65°C
- Retropicable with previous standards
- Max power: 70W
- PoE powered 802.3bt/at • BLE/Zigbee integrated



[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
- 2.23 Kg • DPI • IP67 rated
- 4 radios - 1 dedicated to scanning
- DL and UL MU-MIMO • WPA3
- Target Wake Time • Temp: 0°C to 50°C
- Retropicable with previous standards
- Max power: 13.1 W
- PoE powered 802.3/at

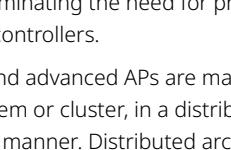


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**Wi-Fi 6 Indoor OmniAccess Stellar 1301**

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

- 3 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
- Retropicable with previous standards
- Max power: 18W • PoE powered 802.3/at
- PoE powered 802.3/af



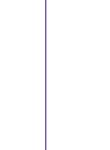
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**Distributed Wi-Fi Control Architecture**

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



[Click for more details](#)

## OmniSwitch®

**Premium access OmniSwitch 6870**

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

- 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
- Virtual chassis • QoS • IPv4/v6 • VRF • Advanced routing
- Virtual chassis • QoS • IPv4/v6 • VRF • Advanced routing • Multicast • EAL-2/NDCPP • UNP • Smart analytics



[Click for more details](#)

**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
- 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
- Virtual chassis • QoS • IPv4/v6 • VRF • Advanced routing
- Virtual chassis • QoS • IPv4/v6 • VRF • Advanced routing • Multicast • EAL-2/NDCPP • UNP • Smart analytics



[Click for more details](#)

**Advanced access OmniSwitch 6570M**

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

- PoE+ and non-PoE models • Up to 95W PoE and 3.4 kW PoE budget
- 802.3bt PoE up to 95W per port and 3.3 kW PoE budget • Flexible PSU Load-Sharing PoE
- Automatic VLAN • Advanced QoS • IPv4/v6
- Context-based QoS • JTC • IPv4/v6 • FIPs • Advanced routing
- Multicast • EAL-2/NDCPP • UNP • Smart analytics
- Application analytics • 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 • 10G SFP+ uplinks
- Fiber SFP+ ports • Modular load-sharing power supplies • Up to 95W/port
- Static IPv4/v6 routing • UNP • Fiber SFP Ports
- Static/Dynamic routing • Advanced QoS • IPv4/v6 • Static/Dynamic routing
- EAL-2/NDCPP • UNP • CE 3.0 certified
- MACsec encryption



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**Value access OmniSwitch 6360**

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

- 802.3bt PoE • 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
- Virtual chassis



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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



[Click for more details](#)

**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



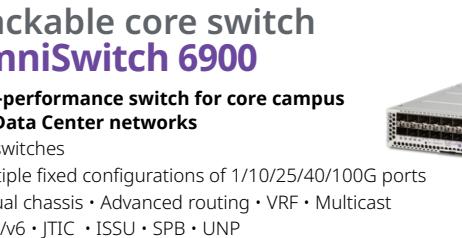
[More details on 6465](#)

[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, Python, Rest API, SSH
- EAL-2/NDCPP • JTIC • SPB • UNP



[Click for more details](#)

**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



[Click for more details](#)

**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 • UNP • Fiber SFP Ports
- Fanless (10/24/24 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.

- Straightforward deployment
- Comprehensive visibility
- Faster & easier network provisioning
- Reduce operations complexity & costs



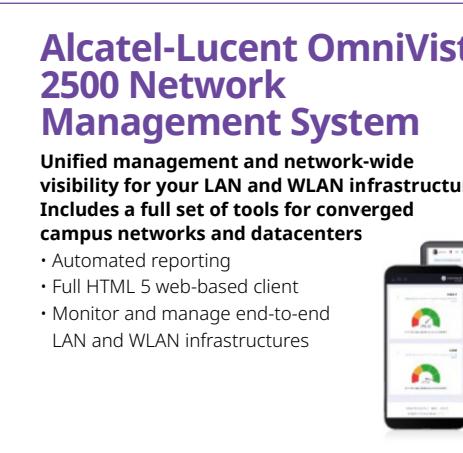
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## Network Management and Cybersecurity

**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

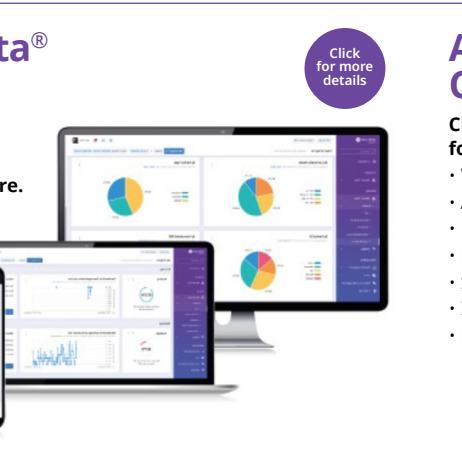


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**Alcatel-Lucent OmniVista® 2500 Network Management System**

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

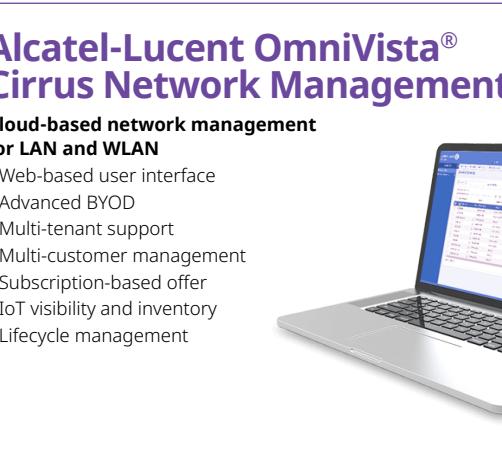


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**Alcatel-Lucent OmniVista® Cirrus Network Management**

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

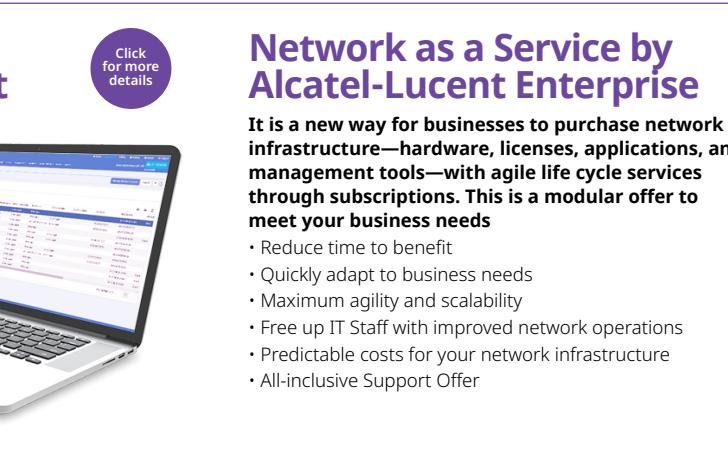


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**Network as a Service by Alcatel-Lucent Enterprise**

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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**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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**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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**Plugin Video Management Systems**

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

# 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

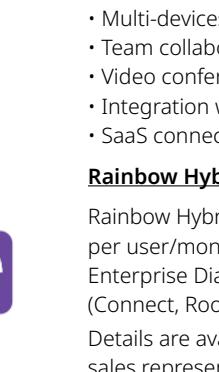
• SIP perimeter defense for MLE

### Network Management System

**Alcatel-Lucent OmniVista 8770 NMS** • Modular network management

• Role-based delegation • VoIP reports

Click for more details



### 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)



## 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



## UCaaS Public Cloud

### Rainbow Hub

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



## 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.



Click for more details



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 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

Click for more details



## Industries Verticals

#### Education

- Empowering student success
- Broadcast voice and text messages to phones and applications
- Manage situations including geolocation of ALE phones and softphones

#### Energy and Utilities

- Enabling smarter, safer and greener energy and utilities
- IoT Hub • Connect IoT to Rainbow and to any workflow

#### Government

- Optimizing government efficiency and public safety

#### Healthcare

- Optimizing the care pathway

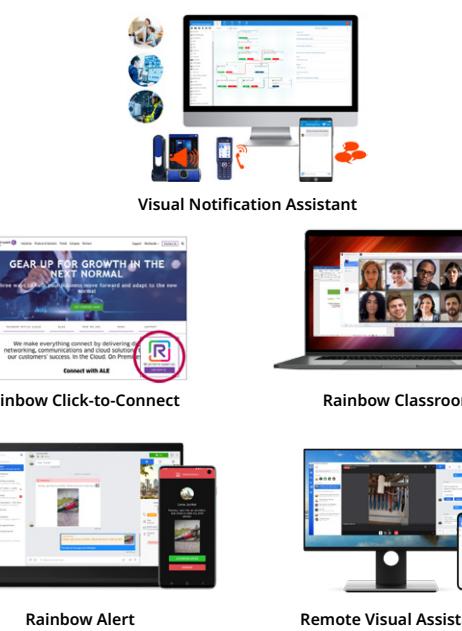
#### Hospitality

- Empowering staff digital services

#### Transportation

- From connected to smart transportation

Click for more details



## Business application integrations

Connectors for the most popular SaaS applications:

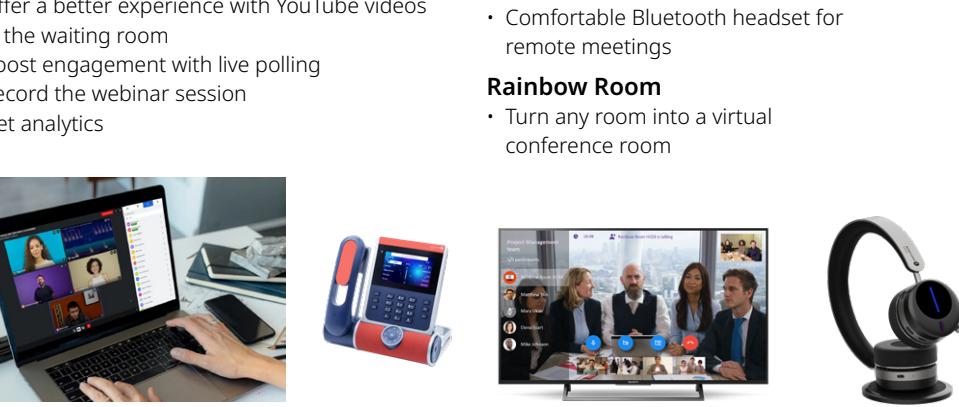
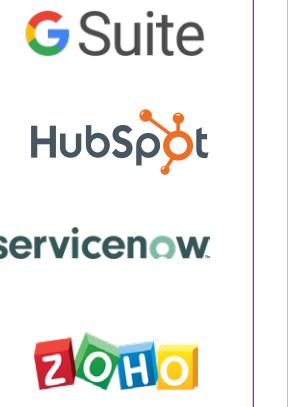
- Microsoft Teams
- Google Suite
- Microsoft Dynamics
- Salesforce
- Zendesk
- ServiceNow
- Zoho
- Jadu
- Pipedrive
- Freshsales
- and more...



## Meeting room, Conferencing and Webinar

### Rainbow Webinar

- Create your webinar session directly from the Rainbow client
- 3D audio broadcasting
- 360° audio capture with 3 microphones
- 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



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
- 8214** • GAP mode for essential functions



Click for more details



## 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
- Business features • Hot-desking mode
- VPN client • Customization kits: 4 colors
- ALE-108 Bluetooth / Wi-Fi module
- ALE-100 alphabetic keyboard
- ALE-120 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" color screen
- 10 contextual keys with LED

- SIP • Dual Gigabit Ethernet port
- ALE-2** • 2.8" backlit screen • 3 contextual keys
- SIP • Dual Gigabit Ethernet port
- ALE-1** • 2.8" backlit screen • 3 contextual keys
- SIP • Dual Gigabit Ethernet port

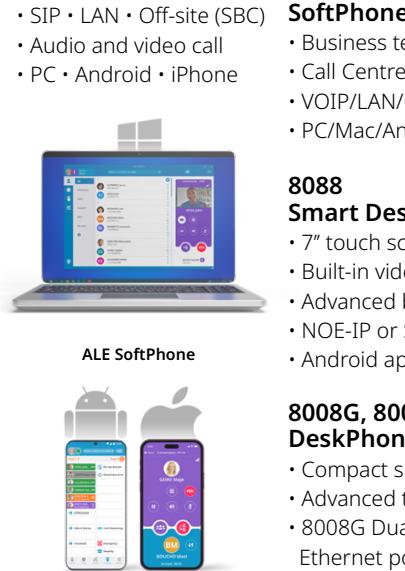
#### Enterprise models



#### Essential models



#### Basic models



#### IP Desktop SoftPhone

- SIP • LAN • Off-site (SBC)
- Audio and video call
- PC • Android • iPhone
- PC/Mac/Android

#### 8088

#### Smart DeskPhone

#### 8008G, 8008

#### DeskPhones

#### 8008 video



## SIP phones

### ALE SIP DeskPhones

#### M8

- For third-party SIP communication systems
- OpenVPN • PoE • IPv4/IPv6
- 2 USB ports and Expansion Modules for M Series
- 5.5" color screen • BT 5.2 • Wi-Fi
- 20 SIP accounts

