

# Digital Age Networking

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

Alcatel-Lucent  
 Enterprise



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



Click for more details

## Wi-Fi 6 Outdoor OmniAccess Stellar 1360

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

- 3 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



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## 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



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## 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



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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 802.3/af



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## 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



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## 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



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## 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



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## 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



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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 centralised 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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## Intelligent Fabric (iFab)

The Alcatel-Lucent Enterprise Intelligent Fabric technology simplifies network operations with game changing automation that improves the agility of the entire IT operations. Built on the Application Fluent Network strategy, the Intelligent Fabric delivers a resilient, flexible and high capacity network infrastructure.

The technology automates deployment and provides self-healing network fabric capabilities to reduce IT workload.

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

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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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Optimize available bandwidth

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
- 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\*

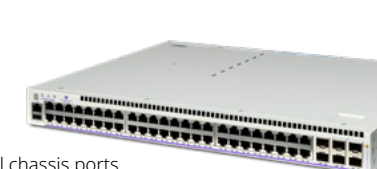


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## Advanced access OmniSwitch 6560

**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



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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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## 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
- Perpetual/Fast PoE • 802.1X/MAC Auth
- Advanced QoS and ACLS • 10G SFP+ uplinks on "X" models
- \*Available in select geographies



More details on 2260

More details on 2360

## 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 6465T

More details on 6465

## 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 • ISSU • SPB\*\* • UNP\*
- Programmability: SDN, OVSDb, OpenStack, Python, Rest API, SSH
- FIPS 140-2 • EAL-2/NDcPP • MACsec



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## 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

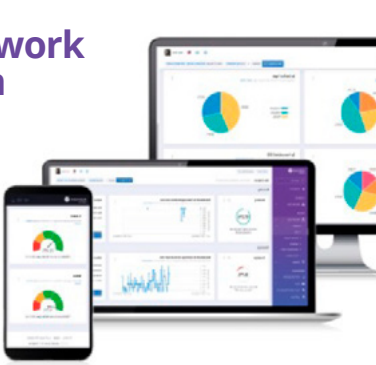


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## Alcatel-Lucent OmniVista® 2500 Network Management System

**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 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



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## 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



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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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## 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
- APIs for 3rd party integration



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# Digital Age Communications

For more information, visit:  
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## 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.

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## 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.

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## 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



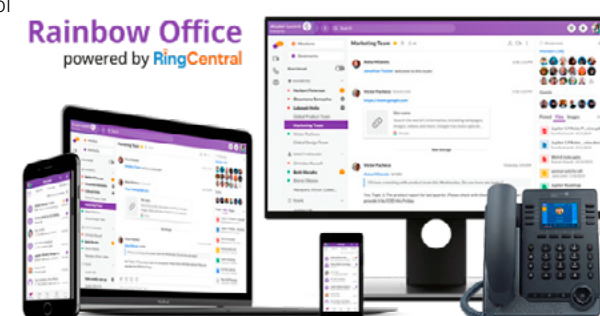
## Connected platforms Hybrid Cloud

- 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

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## 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:

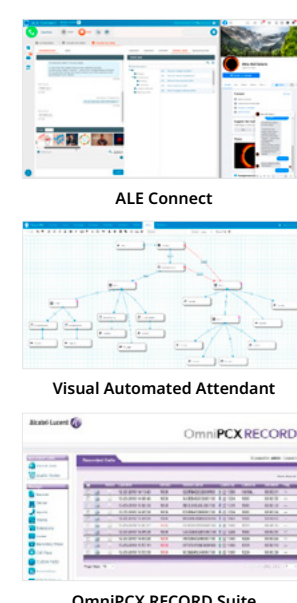
- Rainbow Office Rooms** - equip a meeting room with an RBO license and devices
- Rainbow Office Room Connector** - reuse your existing video conferencing devices
- Unlimited call** - unlimited calling capacity in EMEA Zone
- Live Report** - live analytics capabilities
- Global Office** - calling capabilities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

Any cloud

## 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



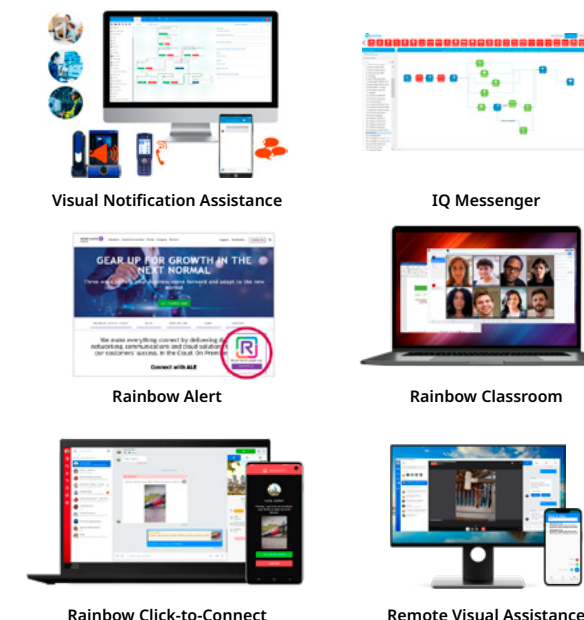
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## Industries Verticals

- Hospitality**
  - Deliver superior connected guest experiences
  - Manage situations including geolocation of ALE phones and softphones
- 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)



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## Business application integrations

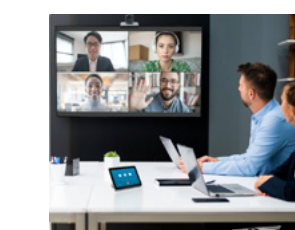
- Connectors for the most popular SaaS applications:
- Microsoft Teams
  - Microsoft Dynamics
  - Zendesk
  - Zoho
  - Zapier
  - Amazon
  - Google Suite
  - Salesforce
  - Servicenow
  - Hubspot
  - Slack
  - Okta
  - and more...



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## 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



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## On-site mobility DECT / WLAN

- DECT handsets**
  - Sturdy design • 15h talk time
  - 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**



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## 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

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- ALE DeskPhones: Essential**
  - Wideband audio • Business features
  - USB-a, USB-c ports
  - ALE-30h** • 3.5" colour screen
  - 10 contextual keys with LED
  - Hybrid digital / IP port • Alphabetic keyboard
  - Color-screen key expansion module
  - ALE-20h** • 2.8" backlit screen
  - 6 contextual keys with LED
  - Hybrid digital / IP port
  - 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

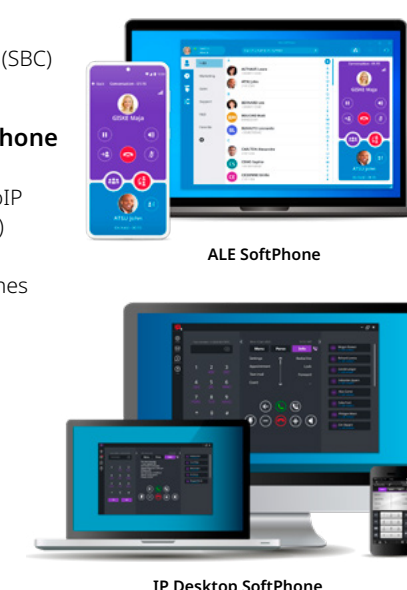


- 8088 Smart DeskPhone**
  - 7" touch screen
  - Built-in video camera
  - SIP or Business features
  - Android apps

- 8008G, 8008 DeskPhones**
  - Compact format
  - Business features
  - 8008G:
    - 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



Digital workplace