Product Catalog: USAC

Astound
Business Solutions

WE ARE
Astound Business Solutions

A top-tier, national network solutions provider

We provide companies with high-capacity and secure connectivity, Internet, voice, cloud networking, and other solutions for their mission-critical applications. Covering cities from coast-to-coast, we maintain a local, customer-centric approach, with dedicated industry experts on-hand 24/7 - as we partner with businesses and help them grow and remain competitive

The Astound Fiber Network

Powering businesses across the U.S.

20+
METRO AREAS IN 12 STATES

42,000+
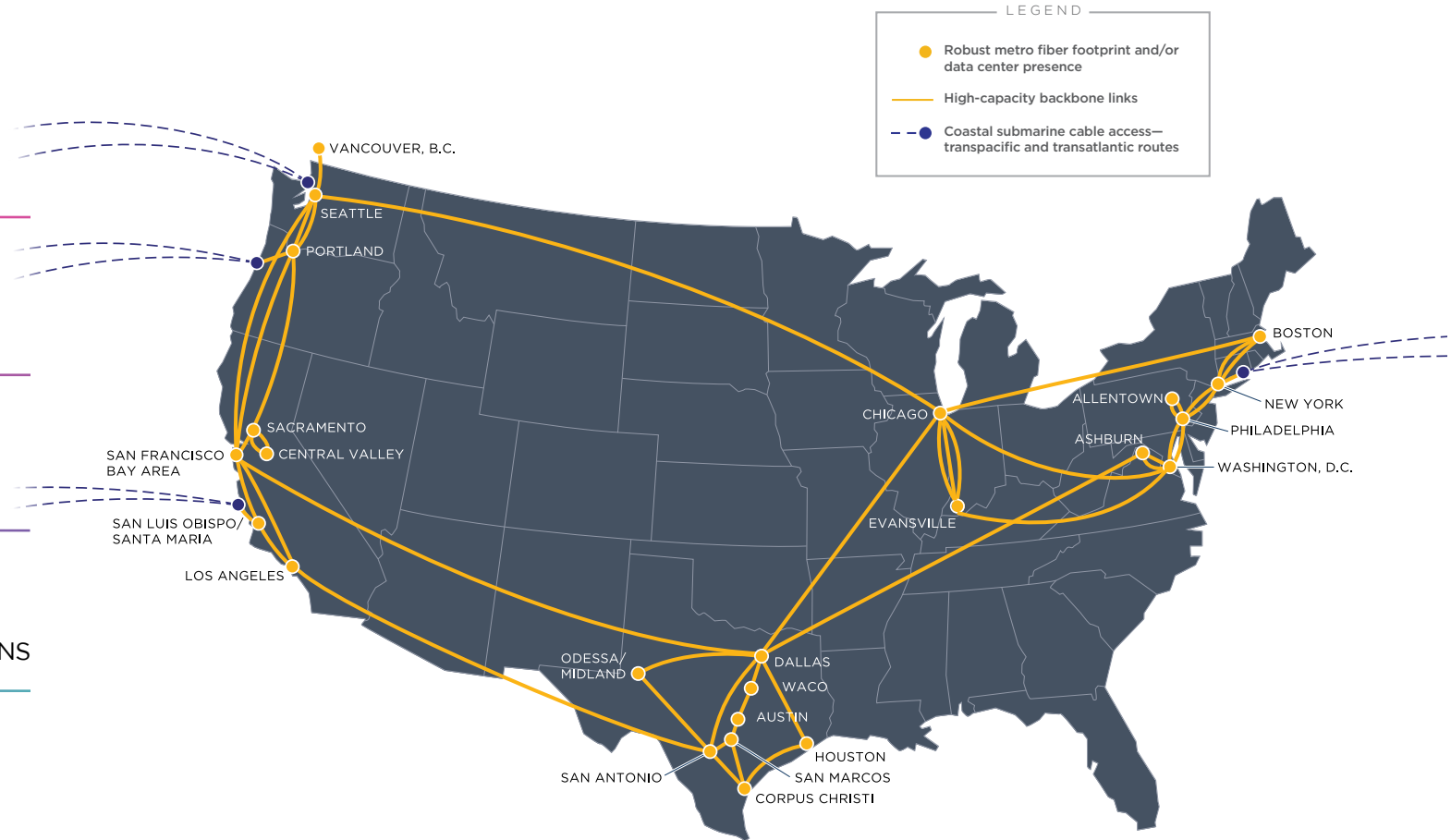FIBER ROUTE MILES

20,800+
ON-NET BUILDINGS

262,000+
VETTED NEAR-NET LOCATIONS

120+
DATA CENTERS

2,000+
CELL TOWERS

LEGEND

- ● Robust metro fiber footprint and/or data center presence
- ─ High-capacity backbone links
- ╌ Coastal submarine cable access—transpacific and transatlantic routes

Map labels: VANCOUVER, B.C. · SEATTLE · PORTLAND · SACRAMENTO · CENTRAL VALLEY · SAN FRANCISCO BAY AREA · SAN LUIS OBISPO/SANTA MARIA · LOS ANGELES · CHICAGO · EVANSVILLE · ALLENTOWN · NEW YORK · PHILADELPHIA · ASHBURN · WASHINGTON, D.C. · BOSTON · ODESSA/MIDLAND · DALLAS · WACO · AUSTIN · HOUSTON · SAN ANTONIO · SAN MARCOS · CORPUS CHRISTI

We Deliver Solutions Over the Most Reliable Network:

- Connectivity
- Internet
- Voice/Unified Communications
- Cloud Networking
- Custom Solutions/Advanced Services

E-Rate Program

Why Educational Institutions Choose Astound

As a qualified USAC vendor, we have the extensive experience needed to help you navigate the rules and regulations of the E-Rate program — as well as the California Teleconnect Fund (CTF) program.

We're a leading provider to all segments of education coast to coast — from public libraries to primary and secondary schools to colleges and universities.

We know what it takes to deliver the solutions you need to overcome today's education technology challenges:

- Secure connections across multiple schools and districtwide offices

- High-bandwidth access with no limits for data-rich learning environments

- 24/7 support from local, dedicated account representatives who understand your unique needs

- Rapid installation, enhanced cybersecurity, fast upgrades and scalable solutions that grow with you

Find out how you can save 20%-90%
Contact your Astound representative for a free consultation today

We Support:

276 School Districts

15 Library Systems

3,380 School Sites

91 Libraries

1,877,668 Students

Custom Tailor Your Services

Get the right mix of technology and support for your institution:

- Custom fiber networks

- High-capacity Internet access

- Data transport

- Dark Fiber

- Hosted Voice phone services

Rural Healthcare Program

Supporting healthcare facilities in bringing world class medical care to rural areas through increased connectivity

The Rural Healthcare Program provides funding to eligible healthcare providers for telecommunications and broadband services necessary for the provision of healthcare. It is currently made up of two programs: the Healthcare Connect Fund Program and the Telecommunications Program.

Eligible healthcare providers include:

• Post-secondary educational institutions offering healthcare instruction, teaching hospitals, and medical schools

• Community health centers or health centers providing healthcare to migrants

• Local health departments or agencies

• Community mental health centers

• Not-for-profit hospitals

• Rural health clinics

• Skilled nursing facilities

• Consortium of healthcare providers consisting of one or more entities falling into the first seven categories

We know what it takes to deliver the fast and reliable Internet and phone services you need to overcome today's connectivity and voice challenges in rural areas.

California Teleconnect Fund (CTF)

The California Teleconnect Fund (CTF) program provides qualified organizations with up to a 50% discount off eligible telecommunications services* offered by Astound Business Solutions in California.

The program was established by the California Public Utilities Commission (CPUC) in 1996 to reaffirm the organization's commitment to universal service and provide these discounts to qualifying applicants in the following categories:

- **K-12 public and non-profit private schools**
- **Libraries**
- **Community colleges**
- **Government-owned and operated hospitals and health clinics**
- **Community-based organizations (CBOs)**
- **Healthcare CBOs**
- **2-1-1 providers**

The CTF program is funded through a surcharge on all customers that purchase intrastate telecommunications services.

*Eligible Products

- Dark Fiber
- Dedicated Internet Access (DIA)
- Ethernet Local Access Network (ELAN)
- Ethernet Virtual Private Line (EVPL)
- IP Transit
- Wavelength
- Wireless Internet Backup

Connectivity

With our connectivity solutions, we provide reliable, state-of-the-art transport technologies over our 100% fiber optic network. And with guaranteed performance and responsive, local service, we help businesses be ready for anything.

Why do you need connectivity?

• Growing bandwidth demands

• Connectivity is the infrastructure of networks; foundational to online presence

• Scalability

Connectivity Solutions at a Glance

Ethernet

Dedicated point-to-point or multi-point connectivity backed by carrier-grade fiber to meet the demands of high-bandwidth applications.

Wavelength

Secure end-to-end connectivity up to 400 Gbps.

Dark Fiber

Secure, scalable bandwidth on your own private network. Manage control and security with no equipment or protocol restrictions.

"

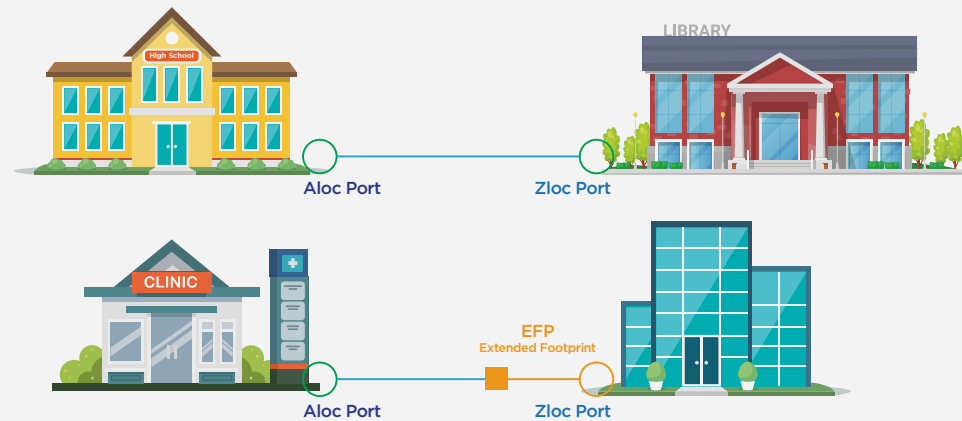Astound was able to provide us the services that no one else was able to.

— *Alden Gleason, Assistant Director of IT, City of Celina, TX*

Ethernet Private Line (EPL)

Get the most flexible point-to-point configurations backed by reliable, carrier-class fiber. Our EPL service meets the demands of high-bandwidth applications over Ethernet, so you can expand to new locations, connect new offices and data centers, and run bandwidth-intensive applications with confidence. We stand behind our solutions with an end-to-end, industry-leading Service Level Agreement (SLA) that extends across our backbone, metro core, and last-mile network for fiber-based services.

Ethernet Private Line — Point-to-Point Ethernet Connectivity

- Powers high-bandwidth applications, so you can expand to new locations, connect new offices and data centers, and run any application with confidence

- Dedicated connectivity between two locations across our Ethernet network

- Ideal for companies that need a secure, private connection between two locations; transparent plug and play

High School — Aloc Port — Zloc Port — LIBRARY

CLINIC — Aloc Port — EFP Extended Footprint — Zloc Port
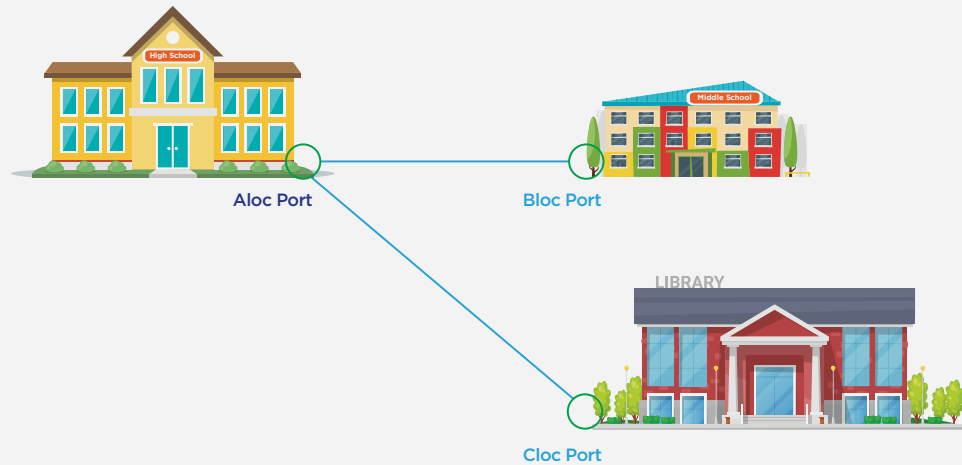
Ethernet Virtual Private Line (EVPL)

Connect multiple sites to a single hub with a dedicated high-speed private network for transferring data, voice, and video communications. EVPL streamlines your network management across multiple locations, with configuration options to support your offices anywhere.

Ethernet Virtual Private Line

Point-to-Multipoint Connectivity:

- Dedicated connectivity between more than two locations, with a "hub-and-spoke" topology

- Ideal for multi-location companies that want to maximize network control at one primary location, or that have a designated HQ and branch office structure; reduces number of network ports required

High School

Middle School

Aloc Port

Bloc Port

LIBRARY

Cloc Port

Ethernet Solutions

Benefits of Astound Business Solutions Ethernet Products

Unlimited Scalability – Speeds that support any size application from regional to global scale, with the ability to grow your public domain

Flexibility – Increase bandwidth dynamically

Consistency – Supports features designed to guarantee predictable levels of network performance

Comprehensive SLA - You can run your business with confidence, knowing that your Internet service is monitored and assured

Strong Support – You have peace of mind with a local, responsive team, and we monitor our networks through our Commercial Network Operations Center to provide complete customer service 24/7/365

Resiliency - Most reliable infrastructure; drastically reduces downtime

Quality of Service - Full redundancy ensures improved reliability and disaster recovery ability

Cost-Effective - Networks are less complicated and easier to maintain than traditional networks

Symmetrical - Upload speeds match download speeds

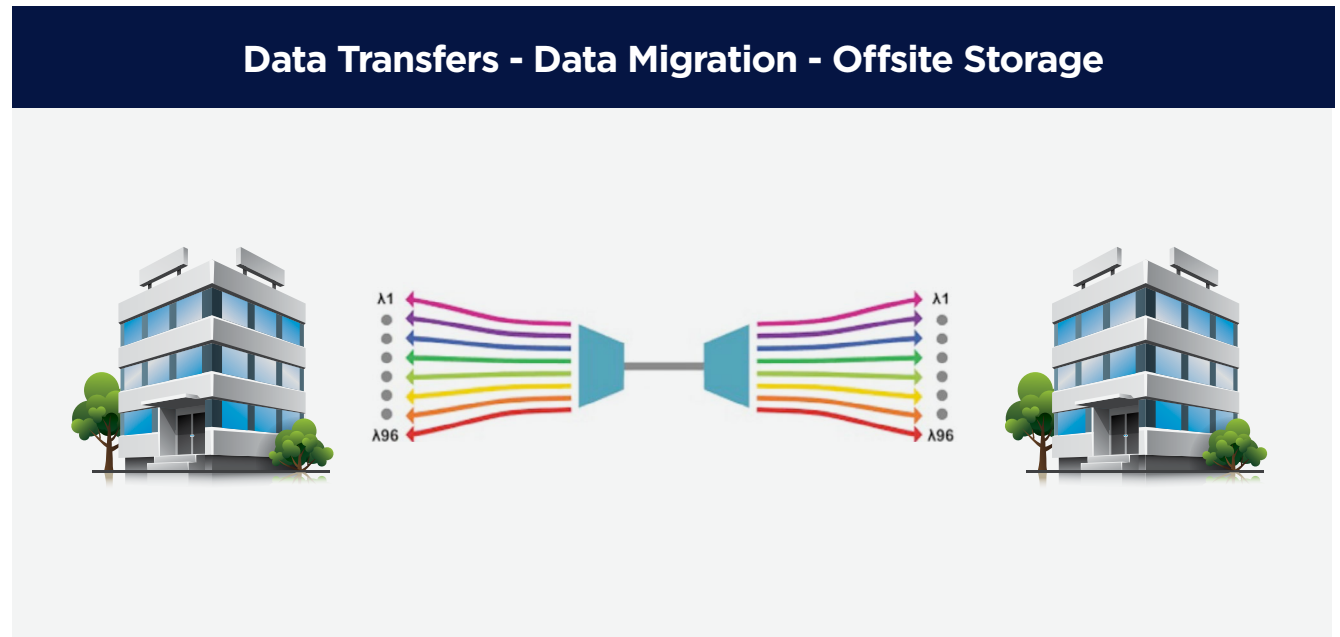| Standard Offerings		
50 Mbps, 100 Mbps	2 Gbps	20 Gbps
200 Mbps, 300 Mbps	3 Gbps	30 Gbps
500 Mbps	5 Gbps	50 Gbps
1 Gbps	10 Gbps	100 Gbps
1 GB Port	**10 GB Port**	**100 GB Port**

Wavelength

A partially meshed, intra-region, high-performance network that produces unsurpassed connectivity with elegant simplicity. The technology of choice for transporting large amounts of data between sites. Facilities-based network delivering proven optical performance that links high-traffic locations with key data centers and fiber-fed access points for seamless connections. Priced per endpoint (no standard price).

Standard Symmetrical Offerings
10 Gbps | 100 Gbps | 400 Gbps

Wavelengths have fewer points of failure and provide better security compared to switched/routed IP services

- Service level agreements
- Predictable performance
- No variance in latency or jitter
- Dedicated capacity that assures application performance
- Protected routes are available
- DWDM - Dense Wavelength Division Multiplexing
- Simple point-to-point pipe

Data Transfers - Data Migration - Offsite Storage

Dark Fiber

Dark Fiber is a dedicated strand of fiber optic cable that connects your locations within the same metro areas, and it allows you to increase connectivity, network efficiency, and speed for your customers.

You have end-to-end control, unlimited bandwidth, and the flexibility to run unique protocols and use your own equipment. A Dark Fiber network offers maximum security, since you are not running through someone else's network.

Typical bandwidth plans often do not address the increasing demand for bandwidth or account for secure Internet capabilities to transmit large files and sensitive data. They also do not consider the need for scalable, end-to-end network control that requires instant response times for point-to-point communications.

Workloads and operational demands continue to increase while budgets decline. This drives you to improve efficiencies and cut costs. However, leasing more line capacity on existing networks or purchasing more bandwidth presents economic challenges when faced with return on investment pressures.

DARK FIBER

Standard Offerings	
STRAND	**PAIR**

Unlimited Bandwidth - Ensures the necessary bandwidth, with optimal connectivity

Secure - Your sites are directly connected and avoid any outside network traffic

Scalability & Flexibility - Increase bandwidth as you grow or reduce when necessary

Control - Create a network strategy and structure for your needs

Reliability - Full redundancy ensures improved reliability and disaster recovery

Why Choose Dark Fiber from Astound?

Our extensive fiber footprint, assets, routes, and secure rights-of-way provide your network infrastructure with the reliability, scalability, and flexibility to support mission-critical applications. It also enables you to support different configurations, services, and applications that standard bandwidth plans cannot handle. Dark Fiber is an affordable strategy to ensure your business maintains complete control over your network infrastructure.

Astound is the #1 Business Internet Service Provider

Astound has been recognized by PCMag's Business Choice readers as the **top Business Internet Service Provider (ISP) in the nation,*** **ranking #1 in:**

- Overall Satisfaction
- Speed
- Reliability
- Ease of Use
- Likelihood to Recommend

We maintain a local, customer-centric approach, with dedicated industry experts on-hand 24/7, as we partner with businesses and help them grow and remain competitive.

Our NOC and U.S. call center, along with our local Sales Reps and Account Managers, provide excellent support to our customers.

Voice and Unified Communications

Powerful, cost-effective communications for your business

Astound has multiple options for voice solutions, which are all delivered over our fiber-rich network and can be customized to fit your organization's specific needs.

UCaaS Options at a Glance

UCaaS/Hosted Voice

Cloud-Based Unified Communication Tools which include unlimited local, regional and long-distance calling.

Trunks

PRI/SIP high-capacity connectivity that supports legacy and IP PBXs with multiple interfaces.

Business Voice

Reliable telephone lines for voice, fax, and more.

> "
>
> We don't even talk about downtime at team meetings. It never comes up, because outages don't happen.
>
> — *Eric Matthews, CIO, City of Allen, TX*

Unified Communications as a Service (UCaaS)

Astound has two great offers to meet your business communication needs - Astound Hosted Voice and Ascend Unified Communications. Plus, take your communication to the next level with Cloud Contact Center. Our Unified Communications (UC) streamlines communication among employees, partners, and customers, reducing costs and enhancing business efficiency. Built on VoIP calling, UC integrates various communication methods, including phone calls, video conferencing, instant messaging, and voicemail.

Highly scalable solution that delivers:

- A feature-rich product at a competitive price-point
- Desktop and Mobile App
- Team Chat and Presence
- SMS and MMS
- Meetings with transcripts and insights
- Voicemail, Visual Voicemail, and Voicemail Transcription
- AI Assistant
- Microsoft Teams integration
- Cloud Contact Center
- Advanced Multi-Line Hunt Group
- Call Recording
- CRM Integration
- Auto Attendant
- Two Way Webfax
- File Backup and Collaboration
- Call Reporting and Analytics
- Archiving

BENEFITS OF UCaaS

Increased Productivity: By integrating various communication tools into a single platform, employees can switch seamlessly between calls, messages, and meetings, reducing downtime and improving workflow efficiency.

Enhanced Collaboration: UC facilitates better teamwork through features like video conferencing, screen sharing, and instant messaging, enabling real-time collaboration regardless of location.

Cost Efficiency: Consolidating communication services reduces the need for multiple vendors and systems, leading to lower operational costs and simplified management.

Improved Customer Service: With integrated communication channels, businesses can respond to customer inquiries more quickly and effectively, enhancing customer satisfaction and loyalty.

Scalability: UC solutions can easily scale with the growth of the business, accommodating new users and additional features without significant infrastructure changes.

Mobility and Flexibility: UC supports remote work by allowing employees to access communication tools from any device, anywhere, ensuring they stay connected and productive.

Astound Hosted Voice and Ascend Unified Communications (UC)

Two great choices to meet your communication needs - Astound Hosted Voice and Ascend Unified Communications (UC). From simple phone-only deployments to large complex deployments that require integrations, we have you covered.

Astound Hosted Voice		Ascend Unified Communications			
Hosted	**Hosted+**	**Essential**	**Pro**	**Enterprise**	**For Teams Advanced**
Phone only • Voice	Phone, Mobile App, Desktop App • Voice • Chat • SMS	Phone, Mobile App, Desktop App • Voice • Chat • Meeting (4)	Phone, Mobile App, Desktop App • Voice • MMS • Chat • Meeting (100) • SMS • Integrations	Phone, Mobile App, Desktop App • Voice • MMS • Chat • Meeting (200) • SMS • Integrations	Phone, Teams Apps • Voice and Business SMS integrated into Teams application
Flexible cloud-based solution tailored for price-conscious businesses • Cost-effective phone-only solution for offices • Value-based basic chat and SMS option available		Comprehensive communication system tailored for businesses requiring ultimate flexibility. • Maximize effectiveness of hybrid and remote workers • Receive greater insights through advanced reporting and archiving • Maximized call flow efficiency through advanced call routing • Extend communications platform through APIs for integration with 100+ third-party apps (CRM, ERP, Ticketing Systems, etc.) • Leverage the latest technology with Meetings, Company Messaging, File sharing, AI assistant, Analytics, and more			Enhance your UC and Teams experience by seamlessly combining advanced telephone and SMS with Ascend for Teams Advanced embedded app

Astound Hosted Voice Seat Types

Powerful, Cost-effective Communications for Your Business

Astound Hosted and Astound Hosted+ provide a straightforward and efficient communication solution tailored for your business.

Astound Hosted (Phone)	Astound Hosted+ (Phone, Chat, SMS)
Enhance the quality and dependability of your business communications with Astound Hosted. Astound Hosted offers a user-friendly web portal for effortless management, along with essential features such as voicemail, visual voicemail, call forwarding, call screening, and the 'find me follow me' function.	Effortlessly stay connected with customers and colleagues, no matter where you are. Astound Hosted+ encompasses all the features of Astound Hosted, along with additional capabilities such as chat, SMS, Softphone, mobile app, voicemail transcription, and meetings.
• Price-conscious businesses	• Value-conscious businesses
• Front-line staff or supervisors	• Office, mobile, or hybrid worker
• Office or hybrid workers	• Supervisors, managers, executives
• Handset Required (Add-On)	• Handset and/or desktop/mobile applications

In addition to the two seat choices, the Astound Analog Line is available exclusively for use with Hosted Voice services.

The Astound Analog Line is used specifically with Astound Hosted Voice service to support other devices requiring dial-tone only. Typically not a phone.

For example: fax machines, postage machines, etc.

Astound Hosted Voice Applications

Success in today's fast-paced business world relies on effective communications. Connect with customers or co-workers from anywhere with a network that offers **scalability**, **reliability**, and allows you to easily **manage features.**

Astound Hosted+ (Desktop)

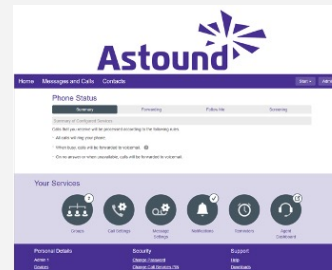Access and control of your Hosted Voice services from your computer

Astound Hosted+ (Mobile)

Access and control of your Hosted Voice services from your mobile device
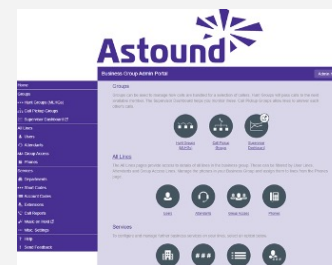
Application Features

**Web-based management is at your fingertips.
Easy to use and administrate online.**

Web Portal Management for Users

Easily manage individual feature options:

- Web-based access from anywhere
- Review call history
- Manage voicemail
- Configure call handling
- Manage contacts

Web Portal Management for Administrators

- Used for management of the business group
- Auto attendant
- Multi-Line Hunt Groups (MLHG)
- Manage all user lines & phones
- Music on hold
- Extension Management
- Call Reporting

Astound Hosted Voice Phone Models

Multiple devices from HP/Poly available to support simple deployments across any organization, and ensure the end-user has the functionality required to meet job needs.

Entry-Level

Executive

Wireless

Conference

- **User-Friendly Management**
  Intuitive web interface allows for easy management of phones

- **No IT Staff Required**
  Phones are pre-configured before installation

- **Phones are plug-and-play**
  so if you need to move a phone, no call to IT is needed

- **Maintenance Free**
  We provide all maintenance and updates, reducing the burden on your IT team

- **Every phone is covered**
  as long as your service is active

*See your account representative for a full list of available phone models and features

Ascend Unified Communications Seat Types

Ascend UC is our world-class UCaaS Solution

Ascend UC is a fully-integrated unified communications and collaboration platform that combines a Cloud-PBX phone system, video conferencing, chat, screen sharing, file management, and more into a seamless experience.

Essential For the Standard Business User	Pro For the Collaborative Business User	Enterprise For the Power User
• Voice Calling Internal and External	• Voice Calling Internal and External	• Voice Calling Internal and External
• Mobile and Desktop App	• Mobile and Desktop App	• Mobile and Desktop App
• Available Desk Phone (1)	• Available Desk Phone (5)	• Available Desk Phone (5)
• Chat Functionality	• Chat Functionality	• Chat Functionality
• SMS	• SMS/MMS	• SMS/MMS
• Video Meeting (4 participants)	• Video Meeting (100 participants)	• Video Meeting (200 participants)
• File Sharing (5GB/User)	• File Sharing (50GB/User)	• File Sharing (200GB/User)
• Integrations - Chrome, Office365	• Integrations - Essentials Plus - SugarCRM, Zoho, Zendesk	• Integrations - Pro Plus - Salesforce, Service Now, Netsuite, MS Dynamics and more
	• Call Center Solutions	• Call Center Solutions

*Express Seat is available for voice-only calling
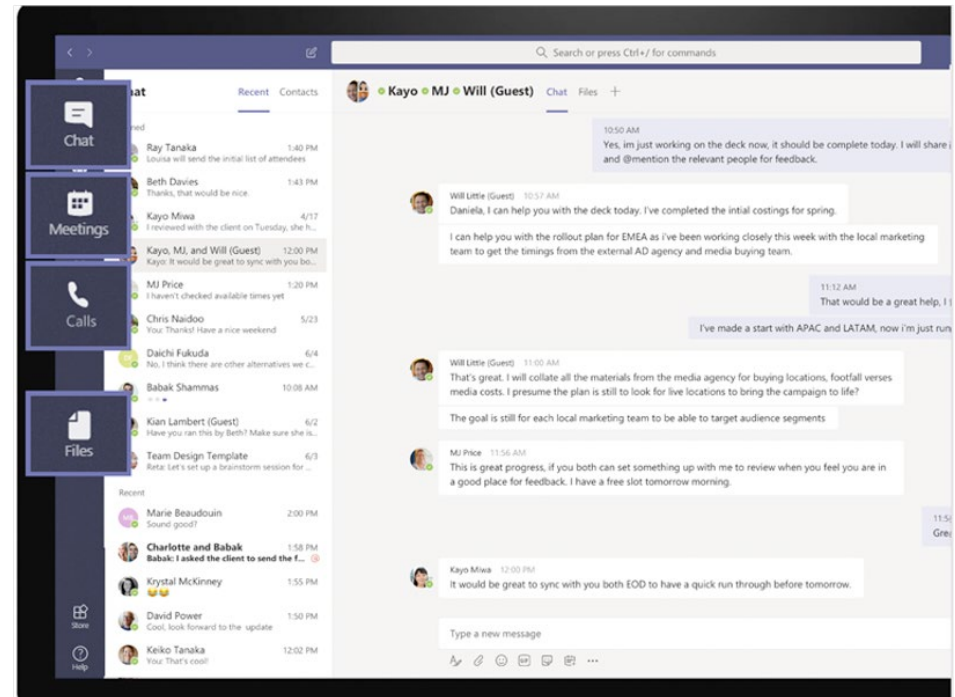
**Resource Line is available for faxing

Ascend UC Seat Types - Microsoft Teams

Designed to boost the power and functionality of Microsoft Teams through the enterprise-grade Cloud PBX of Ascend.

For Teams Advanced

Designed for businesses who want Microsoft Teams for collaboration but need business texting and the advanced telephone features of an Enterprise PBX

- Desktop Phone & App
- SMS/MMS
- Integrated AI Functionality
- 13+ Full Third-Party Integrations
- Call Center Solutions

Microsoft Teams for Collaboration - Use Teams collaboration tools to manage chat, file sharing and video conferencing.

Ascend for Communications - Enhance your business communication with our enterprise-grade phone system, featuring integrated SMS and advanced call routing capabilities.

Ascend UC Applications

Ascend UC's world-class communications platform is packed full of hundreds of essential features for businesses of all sizes..

Ascend Features		Ascend Enhanced Features

Phone System and Hardware
Cloud-based phone service offering 100+ enterprise-grade calling features and excellent network quality and uptime.

System configuration and call reporting managed from a single web-based portal with built-in Spam Call Protection. Variety of plug-and-play devices available, pre-configured to cater to your business needs.

Mobile + Desktop Apps
The UC App transforms smartphones and computers into essential collaboration tools with calls, chats, video messages, advanced voice mail features, texting and presence awareness.

Messaging
Real-time communication with direct, private, and public channels for unlimited conversations, file sharing and more.

For Teams Advanced
For Teams user, enhance your communication with our UC for Teams Advanced integration, seamlessly combining UC's advanced cloud-based phone systems with Teams' collaboration features for a unifed, single-app experience.

AI Assistant
Increase productivity using Generative AI to access information more easily and help with daily tasks right within the mobile and desktop app.

Meetings
Meet face-to-face in HD video and share your screen for more interactive and productive meetings with colleagues and customers. Access to advanced features - like automatic meeting lock, virtual backgrounds, meeting transcriptions and more.

Call Center Features
Extended capability with supervisor monitoring, scheduled reports, extended storage, real-time dashboard, smart greetings, customizable call distribution and agent wrap time.

Archiving
Automatically capture and retain calls, chats, meetings and SMS to help ensure your communications are preserved and archived in one place.

Have continual historical access to your company's last 30 days of UC calls, video meetings, chats and SMS, Free 30-day archiving retains communication data for 30 days. For longer retention periods, upgrade to one of our 1-year to 10-year plans.

Contact Center
Voice, chat, and email queues combine into a single omini-channel experience. Customizable call flows provide exceptional customer interactions.

Company Messaging
Enable SMS (text) communication on your main or toll-free business number, giving your customers another way to engage with your business.

Ascend UC Phone Models

Plug-and-Play phones available from a variety of vendors and price points to ensure the needs of the end-user are met.

Entry-Level

Executive

Wireless

Conference

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  Intuitive web interface allows for easy management of phones

- **No IT Staff Required**
  Phones are pre-configured before installation

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  as long as your service is active

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Ascend UC Integrations

Ascend UC Extend Integrations Platform connects powerful voice, chat, video meetings, and contact center functionality into everyday business applications. Driving higher productivity and increasing customer retention at no heavy cost.

Increase Productivity
Improve employee and customer experience by enabling communication capabilities in everyday business apps

Better Customer Experience
Access relevant customer data at the right time to deliver a more personalized experience

Access Critical Data
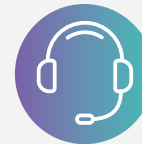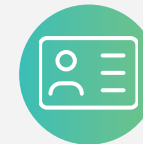Add employee calling and communication data to your business reporting tool(s)

salesforce   slack   ORACLE NETSUITE   sugarcrm

Microsoft Dynamics 365   Microsoft 365   Outlook   Microsoft Teams

zendesk   G Suite   servicenow   ZOHO   CRM SCREEN POPS

How it Works

VOICE   **MEETING**   **ANALYTICS**   **CONTACT CENTER**   **ADDRESS BOOK**

Developers use assets to build custom solutions to meet business needs → End-users use solution in apps and websites

Cloud Networking

Secure, reliable connections to enable your business operations

Experience our Cloud Networking solutions to gain access to a global network of over 120 data centers, and leverage premier services that are optimized to support cloud-based applications. Our high-performance routes are engineered to accommodate any configuration, ensuring that your network runs smoothly and efficiently.

Cloud Networking at a Glance

Interconnection

Use our network as a private, transparent, and cost-effective method for point-to-point connectivity between our designated data centers.
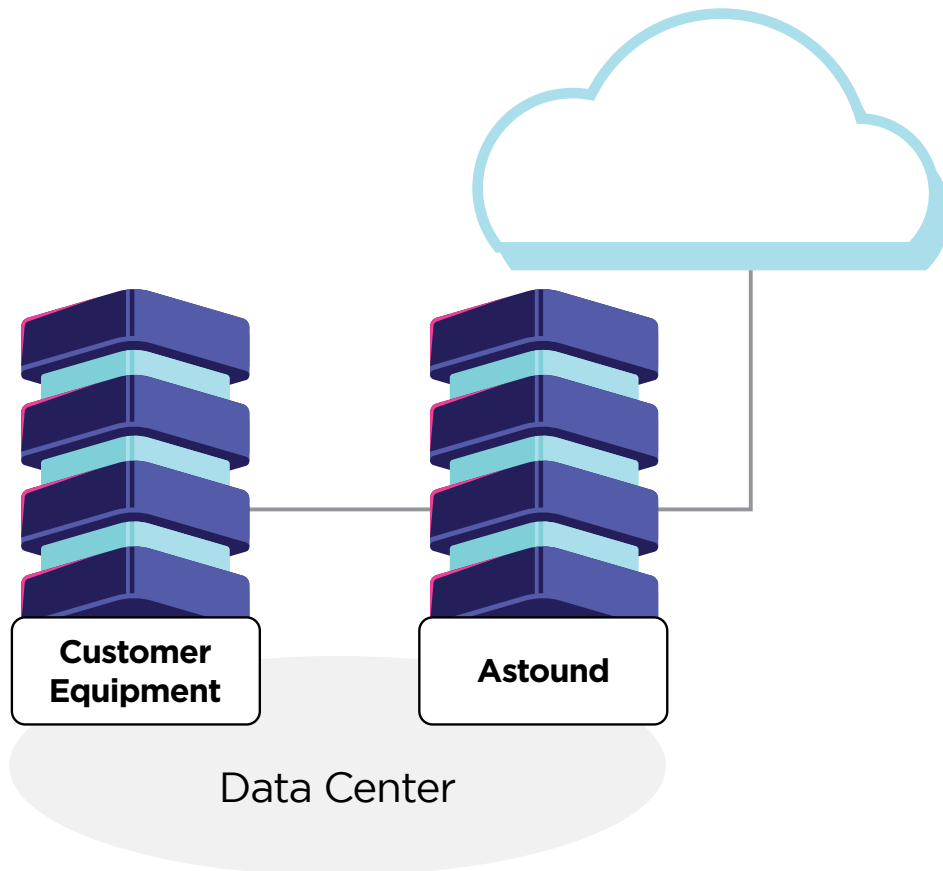
> **"**
>
> One of the beautiful things about Astound, is whenever I need anything, service- or question-wise, they're always there, ready with answers and able to help. You guys have outdone yourselves. You have a happy customer out here!
>
> *— Mark Dinubilo, Operations Manager for Circuit Solution*

Data Center Interconnect (DCI)

We provide interconnectivity between the data centers in our network footprint when you need private, dedicated high bandwidth between data centers.

For customers that have a need to rapidly deploy circuits, paths, or wavelengths without the need for construction.

Customer Equipment

Astound

Data Center

Standard Dark Fiber Per Pair Pricing
with Data Center Cross Connect Fees Apply

Advanced Solutions

We are ready to work with you to deliver innovative solutions tailored to your specific requirements. Whether it's securing your company's data at the network level or providing your IT teams with a simple way to manage your network connections, we'll listen to your needs, goals, and challenges, then create a reliable, customized technology solution to propel your organization's growth and success.

Advanced Solutions at a Glance

Advanced Services

Managed Router & SD-WAN

> "

One of the beautiful things about Astound, is whenever I need anything, service- or question-wise, they're always there, ready with answers and able to help. You guys have outdone yourselves. You have a happy customer out here!

— *Mark Dinubilo, Operations Manager for Circuit Solution*

Managed Router

Leave the management of your router to Astound. Managed Router provides a simple, no-hassle pairing for our DIA services.

Features

Enterprise-Grade Astound-Managed Router for DIA Service

- Robust, carrier-grade
- Dual-WAN support
- NAT/PAT & DHCP
- BGP

- RFC1918 space
- Static routing
- Equipment varies based on speed
  (1 Gbps, 5 Gbps, 20 Gbps)

SD-WAN

Software-Defined Wide Area Networking (SD-WAN) simplifies the management of network connections between sites by separating the network hardware from its control mechanisms.

SD-WAN puts you in control and allows you to respond to change. Advanced capabilities like cloud-based security, network visualization, analytics, and automation bring out the full potential of your network.

ADVANCED WAN

- Advanced-VPN
- Bring your own Internet
- High availability
- Business continuity
- Zero-touch provision

ADVANCED CLOUD SECURITY

- IPS/IDS
- Anti-virus/malware protection
- Global threat intelligence

ADVANCED FIREWALL

- NAT
- Deep packet inspection
- Application optimization
- Layer 7 application firewall

MANAGED SD-WAN

- Internal IGP routing
- Network isolation & planning

Why SD-WAN from Astound Business Solutions?

- Simplified pricing with single price for SD-WAN and Security
- Simplified VPN experience
- SD-WAN and Security Firewall in single device to optimize and protect your network
- Real-time updates to cloud intrusion protection
- Application optimization
- Easy troubleshooting and equipment replacement
- Centralized cloud-based portal for all your Security and SD-WAN optimization needs

Why Astound for USAC Services?

Astound Business Solutions provides school districts, libraries and rural healthcare systems with high-capacity, secure connectivity for their mission-critical applications, while increasing overall agility and responsiveness.

- **Custom, Robust Solutions**

  We take a consultative approach by first understanding your distinctive needs to deliver a unique solution designed especially for you.

- **Speed to Market**

  Unlike larger competitors, we focus on rapid installations and upgrades and do not rely on third parties to meet deadlines.

- **Award-Winning Customer Service**

  24/7/365 local dedicated support with industry experts on-hand around-the-clock to help businesses stay on top of today's evolving IT technology and remain competitive in their markets.

- **Fiber-Rich Network**

  We operate a sophisticated network with a network backbone featuring a smaller node size and robust fiber capacity. See our map and stats on page 2 to get the details of our coverage.

Astound is an Internet, Connectivity, Unified Communications, Cloud Networking, and Solutions company.

Let's talk about your needs.

Astound
Business Solutions

astoundbusiness.com

1-833-249-2786