

VDSL Endpoint and 802.11g Wireless Access Point

Industry-Leading Solutions

Our award-winning ExpressNet®AirLink™ broadband solutions deliver cost-effective solutions for your need for speed. Using your existing phone wiring and our patented under-phone ExpressPorts, ExpressNet AirLink turns your guest room phones into WiFi hot spots that cover your entire property with blazing fast wireless Internet access.

Space-Saving Design

ExpressNet AirLink attaches right to the underside of nearly all Teledex guest room phones, so installation is a snap. There are no extra devices on the desk, no tangled-wire mess, no confusion. And beefing up weak spots in your wireless network is as easy as plugging in an additional ExpressPort!

Multiple VLAN/SSID Support

ExpressNet AirLink allows you to run several virtual networks over one physical network, so both administrative staff and guests can share the same infrastructure, cutting costs. And with multiple SSIDs, you can easily deploy multiple levels of service for different classes of guests, or create private networks for groups or conventions.

*Multiple VLAN
Multiple SSID
Support*



FEATURES AND BENEFITS

- VDSL transport delivers up to 15 Mbps to each endpoint on the network (to 4,000 ft.), using standard phone wiring (CAT 2/3)
- 802.11g wireless access point provides reliable, manageable wireless service
- Wireless bridge provides convenient interface for users that aren't wireless enabled, or prefer a wired connection because of security concerns
- IEEE 802.11g compliant, up to 54 Mbps
- Adjustable RF output
- Supports line power and bandwidth control
- Two-band QAM modulation



▲ AirLink VDSL Switch



▲ UniServe Gateway Server

ExpressNet 12-port VDSL switches deliver high-speed connectivity in a wide range of demanding environments, including hotels, airports, and convention centers. ExpressNet UniServe gateway servers provide powerful management tools to configure and administer your ExpressNet service with ease.

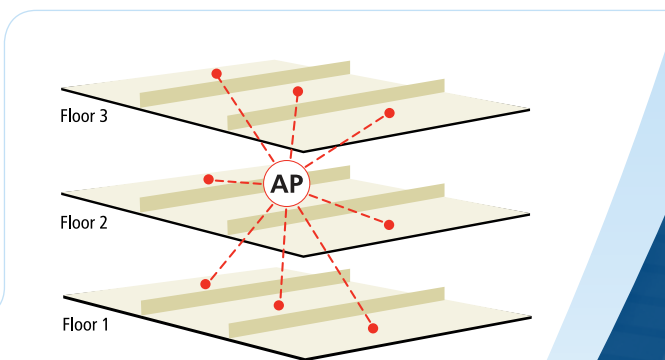
BASIC FUNCTIONS	
UPnP Support	UPnP (IGD/Basic Device)
System Log by Email	Email Log
NETWORKING	
VLAN SUPPORT	4 wireless SSIDs; +1 Wired; +1 MGMT
Static IP and DHCP Support	
Spanning Tree	802.1d Spanning Tree Protocol
TIMER	
NTP Support	
REBOOT	
Remote Reset	
CONFIGURATION MANAGEMENT	
Configuration Download	
WEB MANAGEMENT	
Web Management	Web-Based Management Tool
SNMP MANAGEMENT	
SNMP v.2	
WIRELESS CLIENT MANAGEMENT	
Associated Wireless Client Monitor	
WIRELESS NETWORKING	
IEEE 802.11b/g Support	
Adjustable Power Control	Supports Wireless Transmit Power Management
Wireless Client Isolation	Privacy Separator
WDS Mode Support	
SECURITY	
WEP WPA 802.1x	
WPA	WPA with TKIP Support
WPA (Pre-Shared Key)	WPA with Pre-Shared Key Support
WPA (AES)	WPA with AES Support
MAC Address Filtering (Up to 1024 Filters)	Mac-Based Access Control List for Wireless Interface
Concurrent Use of IEEE 802.1x and MAC Address Authentication	
Re-Authentication Timer	
Key Exchange Timer	
Hidden SSID	
EAP-TLS	
EAP-TTLS	
EAP-PEAP	
Supports Radius Server	
Radius Port Number Support	

Flexible Network Management Tools

With ExpressNet AirLink, you have the ability to dynamically heal your network should an access point lose its link with the network. Instead of your guests forced to remain connected to an AP that is not on the network, AirLink can be configured to automatically power down an unlinked AP, so a guest is free to connect to the next closest AP on the network. The result? Less hassle for you, more trouble-free connections for your guests!

Quickly Add Hotspots

With AirLink, it's easy to add hotspots to a weak area in your wireless network. Just plug in an additional AP, configure it to the network, and you're done!



Typical Installation

While not all hotel properties are constructed equally, the diagram above depicts what a typical AirLink installation looks like. In this three-floor property, every fourth or fifth room on the second floor is installed with an AirLink wireless access point underneath the phone. That room supplies wireless access for the rooms in the immediate vicinity, both next door and one floor up and down. Final AirLink deployments are subject to a thorough site survey by trained ExpressNet technicians.