

Connecting Mississippi's Students

Responding to the COVID-19 Pandemic

AT&T

August 26, 2020



Agenda

Introductions - Your AT&T State Team

- Kris Gautier (Account Manager)
 - Rob McClure (Team Lead)
 - Mike Haberkorn (Product Manager)
 - Tom Gill Jr. (Principle Architect)
 - Scott Cook (Sales Manager)
-
- **AT&T Solutions**
 - State of Mississippi Student eLearning Offer and rates
 - Enterprise Traffic Protector

Q & A

Seamless Offer for eLearning

1

CONNECTIVITY

Allows school districts to provide access through Mobility Hotspots or Existing Remote Gateway

2

CONTENT FILTERING

Identify and block offensive or inappropriate domains under an acceptable use policy.

3

MANAGEMENT

School districts set their own (or use a preset) acceptable use policy.

4

SIMPLICITY

No VPN Connection to the School District is required with the eLearning offer

5

PROCUREMENT

Existing contract or NASPO; potential for emergency amendment process to add to State contract

The Mobility Offer



CONNECTIVITY

Hotspots



DATA PLAN

Unlimited



SECURITY

Content
Filtering



MANAGEMENT

Safeguard
Policies



SETUP

White Glove
Kitting & Staging

AT&T Mobile Hotspots

Individual Mobile Hotspots

- AT&T is offering the Moxee and Unite Express 2 hotspots for Internet connectivity for students, teachers, and staff
- Bundled solution includes:
 - Hotspot device
 - Unlimited data plan
 - SIM access to private/ shared APN with near zero latency
 - Content filtering
 - Protection from malware, phishing, and ransomware



State of Mississippi Student eLearning Education Offer (SeEO)

- Unlimited data plan monthly pricing:

Volume Tier	UNL Data	ETP	Total
>20k subs	\$16.00	\$1.00	\$17.00
10k-20k subs	\$17.00	\$1.00	\$18.00
<10k subs	\$19.00	\$1.00	\$20.00

- Hotspot pricing:

Upfront device price	1 Year	2 Year	3 Year
Moxee	\$44.99	\$0.99*	\$0.99*
Unite Express 2	\$94.99	\$44.99	\$44.99

Connecting Mississippi's Students

- AT&T's Enterprise Traffic Protector (ETP)
- Content Filtering: network based vs. equipment based
- Delivering connectivity to the individuals who need it
- A deeper dive into a seamless offer for eLearning with Content Filtering

AT&T - Mobile Connectivity with Content-Filtering

August 26, 2020

Seamless Architecture & Management

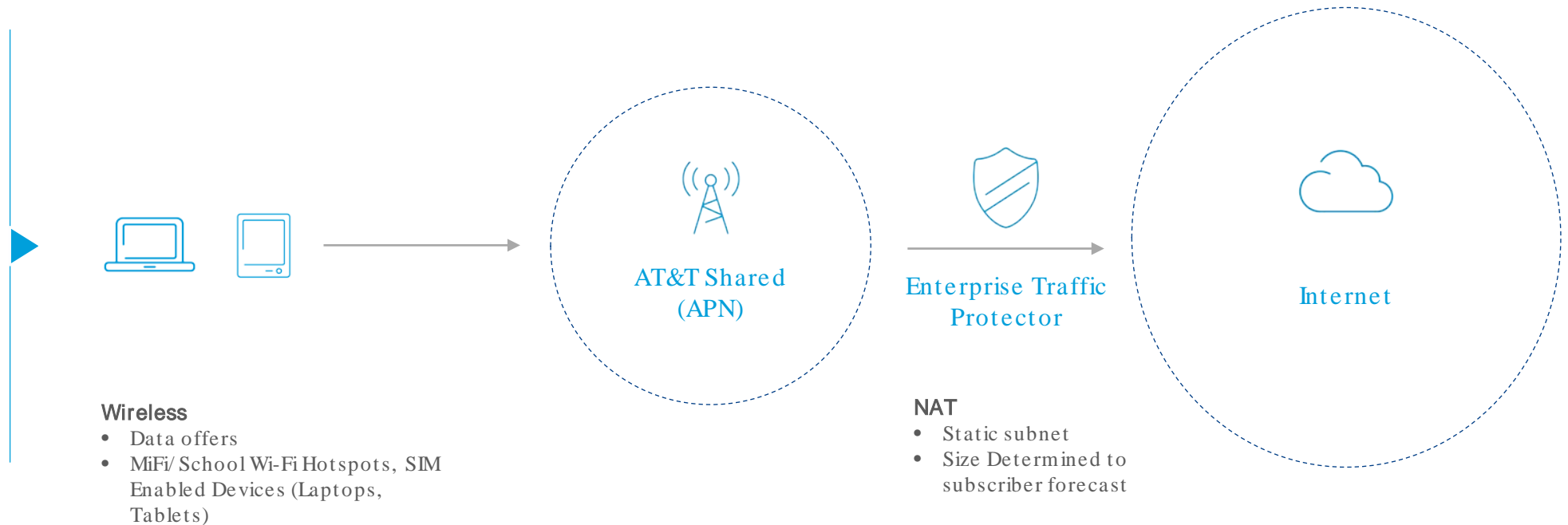
- Allows School Districts to provide Mobile Hotspots with Content Filtering
- AT&T (Shared APN) sets the filtering rules by Acceptable Use Policy(AUP) Category



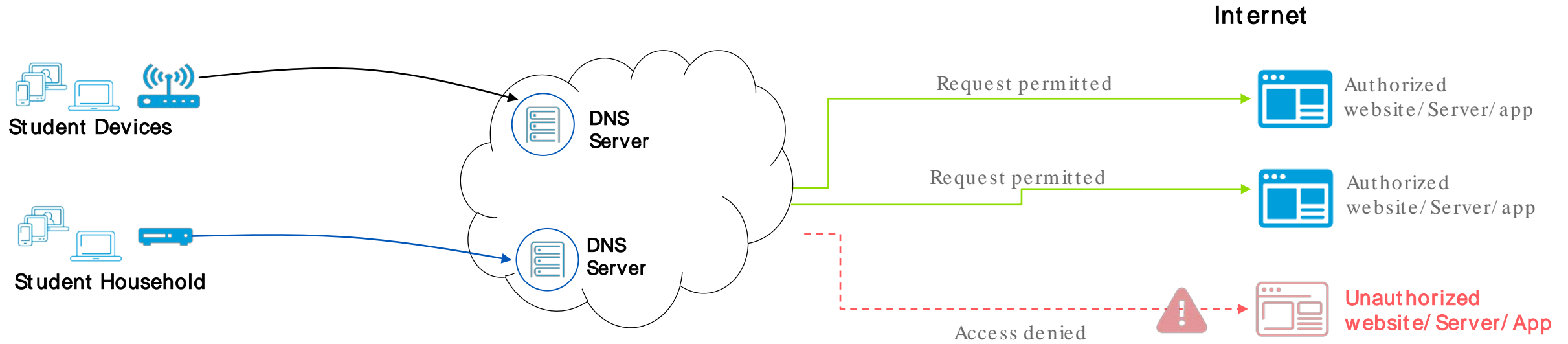
Learner



Teacher



Enterprise Traffic Protector enables protection for outgoing internet traffic as part of CIPA-compliance



Superior protection

- Enforces Internet AUP for students
- Protects all outgoing traffic.
- Highly effective in
 - Blocking malware, ransomware & phishing delivery
 - Blocking malware C&C requests
- Threat feeds updated automatically every 2 hours

with wide applicability

- Near zero latency, eliminates hair-pinning
- Hyper distributed, 100% availability SLA
- Threat intelligence from 30% of internet traffic & 45% of DNS traffic
- Supports wireline and mobile internet access i.e. DSL, private APN

Enterprise Traffic Protector Enables Internet Content for Students

Enterprise Traffic Protector enables simple & automated blocking of restricted content

This allows for easy deployment of devices where content restrictions are required & also includes built-in protection for malware, ransomware, and phishing based on industry leading threat visibility

Using a tested national policy for restricted content that is automatically updated based on the latest content and threats.

In addition, ETP includes:

- Automatic Enforcement of Strict Mode for access to YouTube Content
- Automatic Safe-Search enforcement for all web searches via Google and Bing
- Access to common education tools like Canvas, Zoom, Blackboard, Google Classroom, Microsoft Teams
- Enforcement via DNS-Based policies – this is seamless and operates separately from other on-prem tools and filters & protects all devices accessing the Internet via protected MiFi device

Default Threat Protection for Shared APN

Threat Acceptable Use Policy Custom Lists Settings

Security Template: *Custom*

Threat Type	Action	Response to User	Security Connector	Alert
▼ Known	Block	Error Page	None	<input type="checkbox"/>
Malware	Block	Error Page	None	<input checked="" type="checkbox"/>
Phishing	Block	Error Page	None	<input checked="" type="checkbox"/>
C&C	Block	Error Page	None	<input checked="" type="checkbox"/>
DNS Exfiltration	Block	Refused Response		<input checked="" type="checkbox"/>
▼ Suspected	Same as Known			
Malware	Block	Error Page	None	<input checked="" type="checkbox"/>
Phishing	Block	Error Page	None	<input checked="" type="checkbox"/>
C&C	Block	Error Page	None	<input checked="" type="checkbox"/>
DNS Exfiltration	Block	Refused Response		<input checked="" type="checkbox"/>

Default AUP Filtering for Shared APN

Threat	<u>Acceptable Use Policy</u>	Custom Lists
	Categories	Block
▶ Adult ⓘ		<input checked="" type="checkbox"/>
▶ Alcohol & Tobacco ⓘ		<input checked="" type="checkbox"/>
Cyberbullying ⓘ		<input checked="" type="checkbox"/>
▶ Dating ⓘ		<input checked="" type="checkbox"/>
Drugs ⓘ		<input checked="" type="checkbox"/>
File Sharing ⓘ		<input checked="" type="checkbox"/>
Finance & Investing ⓘ		<input type="checkbox"/>
▶ Gambling ⓘ		<input checked="" type="checkbox"/>
Games ⓘ		<input checked="" type="checkbox"/>
Healthcare ⓘ		<input checked="" type="checkbox"/>
▶ Illegal ⓘ		<input checked="" type="checkbox"/>
IP Telephony ⓘ		<input checked="" type="checkbox"/>
▶ Large Bandwidth ⓘ		<input checked="" type="checkbox"/>
▶ Pornography ⓘ		<input checked="" type="checkbox"/>
Remote Access ⓘ		<input checked="" type="checkbox"/>
▶ Social ⓘ		<input checked="" type="checkbox"/>

Automatically curated access to restricted content

Example Categories for Content Curation

- Abortion
- Adult
 - Lingerie
 - Nudism & Naturism
 - Sex Education
- Alcohol & Tobacco
- Business & Economy
- DNS-over-HTTPS Providers
- Drugs
- File Sharing
- Finance & Investing
- Gambling
- Games
- Healthcare
- Illegal
 - Criminal Skills
 - Hacking
 - Plagiarism
- Kids
- Large Bandwidth
 - Anonymizers
 - Peer to Peer
 - Streaming Websites
- Law & Enforcement
- Leisure
- Marijuana
- Motor Vehicles
- News & Media
- Personals & Dating
- Political Advocacy
- Pornography Websites
- Religion
- Research & Education
- Self-Harm
- Shopping
- Social
 - Blogging
 - Chat Site
 - Forums & Message Boards
 - Virtual Community
- Sports
- Technology
- Violence & Hate
 - Gore
 - Hate
 - Violence
- Weapons Related

Error Page Messages (examples)



Website Access Prohibited

Acceptable Use Policy Violation

Category: SOCIAL

The website you are trying to access is not allowed under your organization's acceptable use policy.

If you think you are receiving this message in error, please contact your IT help desk.



Website Access Prohibited

Phishing Website Warning

The website you are trying to access is known to perform phishing attacks and poses a security risk to your computer and network. Please contact your IT help desk to review if you are impacted. In the mean time, do not attempt to access this website.

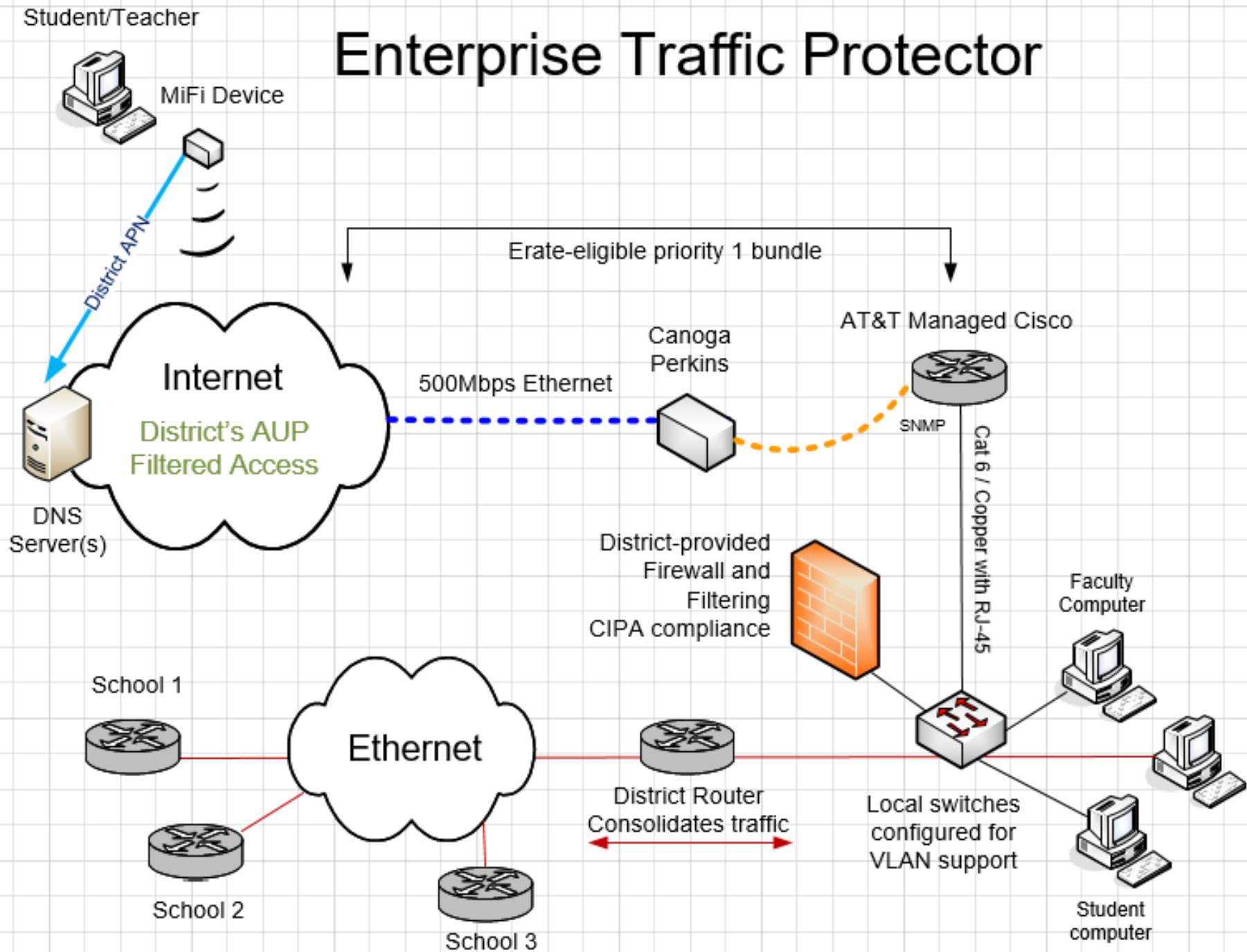
If you think you are receiving this message in error, please contact your IT help desk.

Requests to add Domains (white/black lists) to the Shared APN

Please forward any requests to add Domains to the Shared APN whitelist or blacklist to:

RM-ATTCDNOPS@att.com

Enterprise Traffic Protector



AT&T School Exterior Wi-Fi Solution

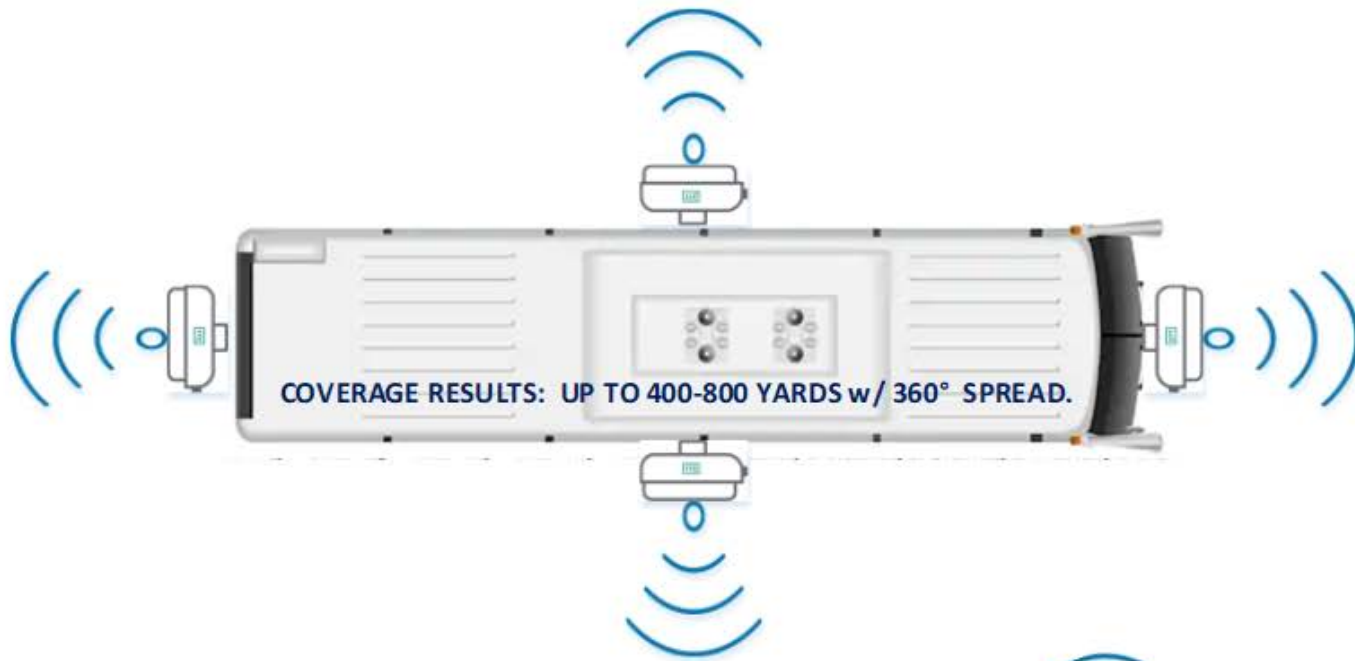
- Install exterior Wi-Fi hotspots at schools, colleges, universities, and libraries
- Advantages
 - broadcasts Wi-Fi outdoors
 - maintains social distancing – students can stay in their cars and access the Internet
 - Only needs access to an Ethernet port and power
 - Schools manage security and content access
- There are 900 schools in MS where this solution can be delivered



AT&T School Bus Solution

- **Deliver easy-to-deploy mobile Wi-Fi hot spots on school buses across Mississippi**
 - AT&T can deliver powerful WiFiRanger mobile Wi-Fi hot spots that can be mounted to school buses for Mississippi students
 - maintains social distancing – students can stay in their cars and access the Internet
 - Can be deployed by magnetically mounting to roof of school bus and plugging into 12V power port
- **Low Cost per device, plus state contract for monthly unlimited data plan**





OPTIONS

360 DEGREE COVERAGE

- Requires 4 AP DEVICES
- Optional 6 AP devices for Larger Bus

PICK UP OR UTILITY TRUCK

- Utilize Industrial Pedestals
- Min 10' in height
- More versatile in mounting.



COVERAGE RESULTS: UP TO 200-400 YARDS w/ 180° SPREAD.

Connecting Mississippi's Students

AT&T suggests the following next steps to speed deployment of these solutions

- Develop a priority list for solution deployment

Additional Information

- AT&T is working with ITS now to get these prices added to the state contract
- Demand on inventory is high across the nation for all hotspot vendors

Q & A



AT&T