

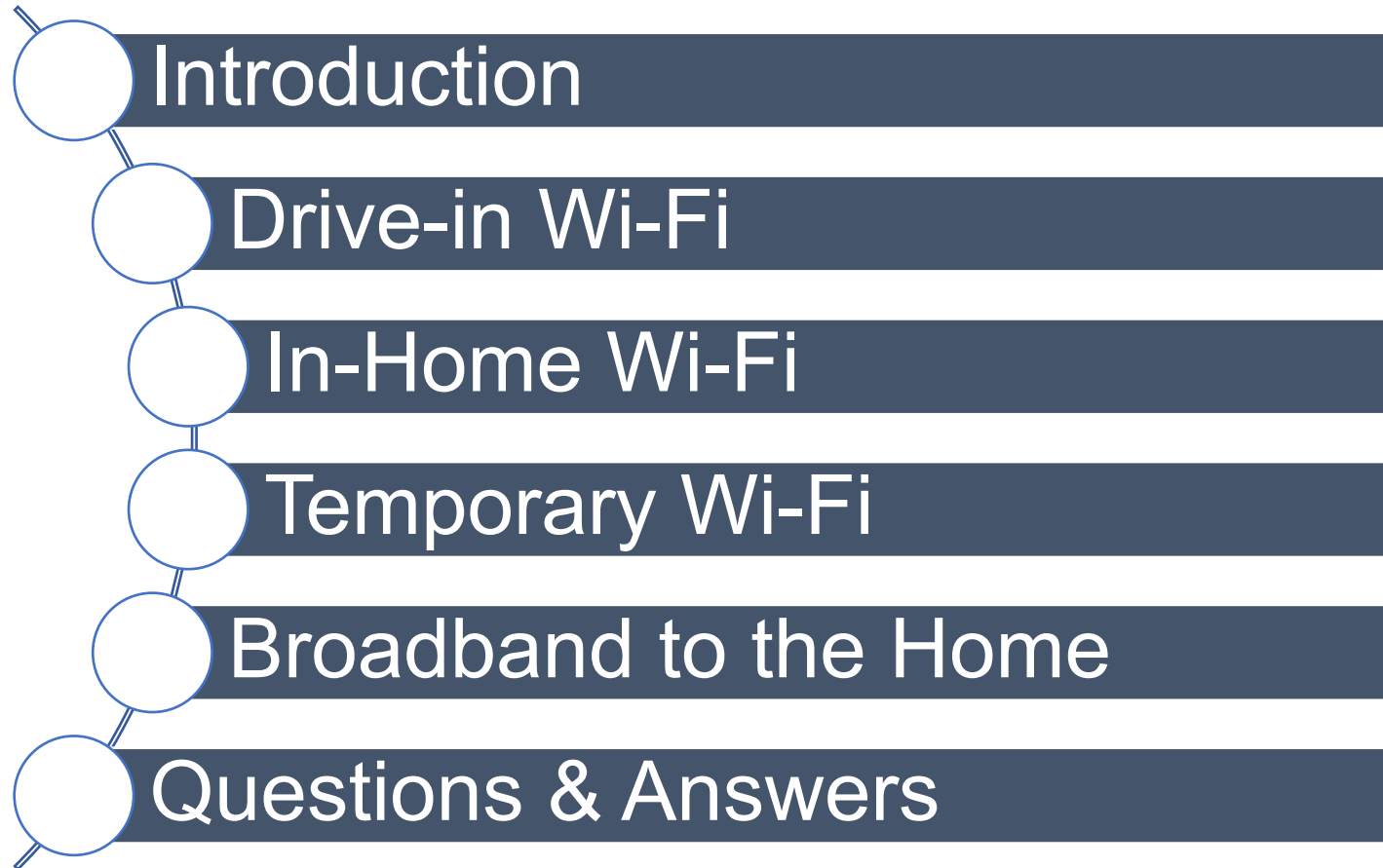


Cambium Networks™

**Helping Close Your School's Internet
Access Gaps During the Coronavirus Fight**

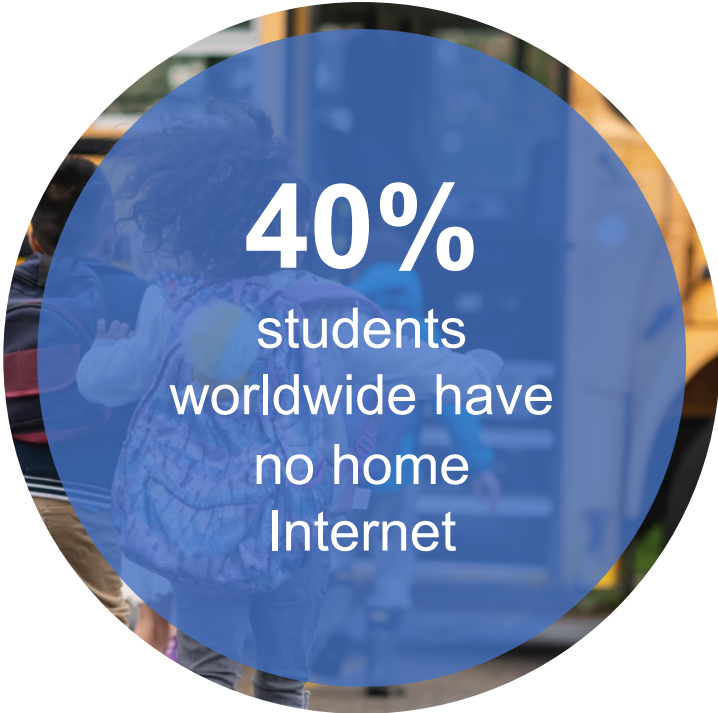


**Bruce Miller, VP Enterprise Marketing
Daran Hermans, Director Product Management**





770 million
learners
worldwide



40%
students
worldwide have
no home
Internet



20-80%
increase in
Internet traffic
from SFH/WFH

How quickly can adequate Internet access be made available to students and teachers for remote learning who have do not have it today?

Use Case: Drive-In Wi-Fi



- Extend the LAN to outside the building
- Broadcast to Wi-Fi AP's mounted on buildings or light poles
- Students use their existing credentials to access the network





- ✓ Publicly accessible space
- ✓ Rapidly enabled
- ✓ Control access/security w/ EasyPass
- ✓ Direct access to school governed sites and content
- ✓ Appropriate for upload/download and relatively short streaming sessions
- ✗ Challenging for real-time sessions
- ✗ Requires a driver
- ✗ May not work in quarantine situations

Drive-Up Education Hotspot



Coverage...

Three APs cover three lots

Solution...

e700 Wi-Fi Access Point, 4x4 pole mounted

Backhaul using Cambium Fixed Wireless

Cloud management included

Limited lifetime warranty included

Cambium e700 Wi-Fi access point



Promotion: Buy 2, Get 1 Free
Effective: Mar 25 – Jun 30, 2020

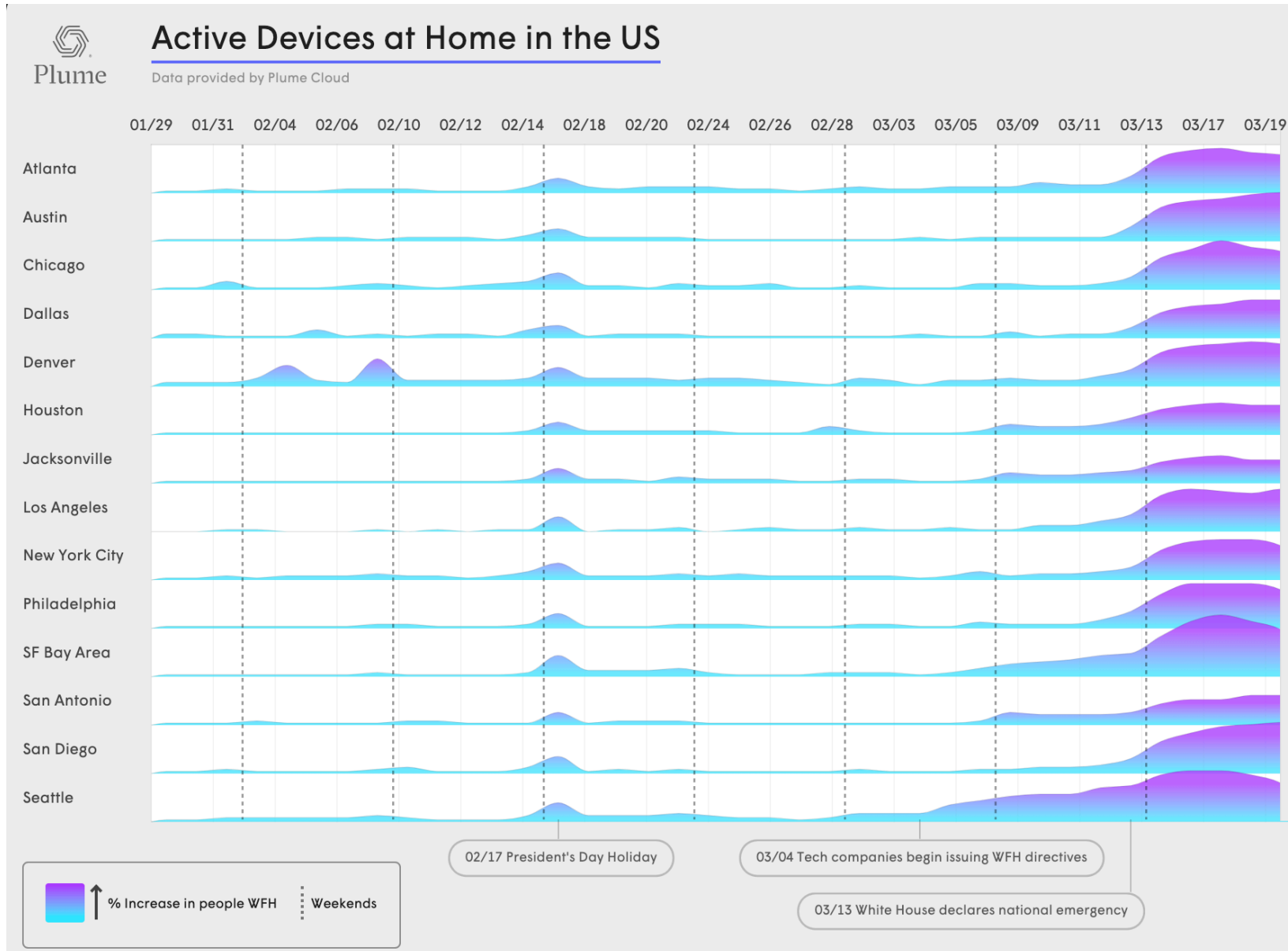


- High performance 11ac Wave 2 (4x4) APs
- Xirrus XH2-240: 30°/60°/omni antenna options
- or-
- cnPilot e700: integrated omni antennas
- Cloud-managed or on-premises option
 - Zero-touch provisioning for plug-n-play

Use Case: In-Home Wi-Fi



In-Home Wi-Fi Usage Skyrocketing



Number of Wi-Fi devices
operating in US homes
up 50-90% in 3 weeks

- Move closer to the router for better signal and performance
- Update your router if it is old (>5 years) and/or the connection type is 11n
- Add access points to cover areas in the house that have poor coverage
- Call your ISP to increase your bandwidth if you have <20Mbps connection
- Adjust router antennas if present – position rabbit ears vertically for horizontal coverage
- Use 5Ghz channels if possible for best performance and least interference
 - 5GHz is channels 36 through 165, 2.4GHz is channels 1 through 14
 - Select the wireless card on laptop to prefer 5GHz if this setting is available on your driver
- Be aware that microwave ovens, cordless phones, etc. may interfere with Wi-Fi
- Connect non-mobile devices (printers, TV's) to Ethernet to avoid Wi-Fi spectrum use
- Reboot modem/router/AP if this has not been done for a long time
- Connect directly to the Ethernet on your router if all else fails

- Check the performance you are achieving
 - Go to www.speedtest.net to check speed of connection in different rooms areas to see where you have good/bad coverage
- Check channel and signal strength of the AP you are connected to
 - Windows 10: Go to Settings – Network & Internet, click on SSID name, scroll to Properties
 - Mac OS: Hit Option key + Wi-Fi symbol at the same time
- Check for interference in the area
 - Download a Wi-Fi app to see what channels are strong in the area

Promotion: \$125 End User Price
Effective : Mar 25 – Sep 25, 2020

- 11ac Wave 1 (2x2) Access Point
- Standard or wall switch form factor
- Simple zero-touch provisioning set up
- Compelling all-in-one priced bundle



X2 AP

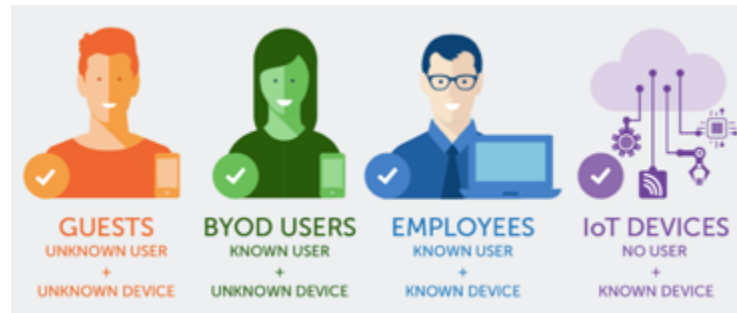
- OR -

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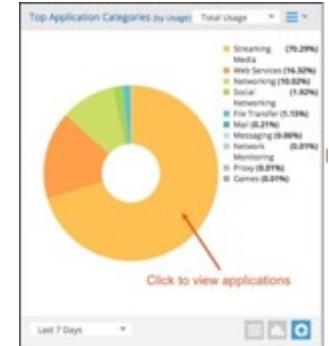
3 yr XMS-Cloud

+



3 yr EasyPass with unlimited users

+



Application Control

Use Case: Temporary Wi-Fi





- High density Xirrus APs
 - 4 user servicing radios/AP
 - Connect up to 100's of devices
 - Integrated all-in-one: AP, antennas, controller
- Use Cases
 - Temporary Hot Spots
 - Emergency Response
 - Sports & Entertainment

Contact us for special pricing



- Tripod + case for high density Xirrus AP
- Support 100's of Wi-Fi users in one kit
- Setup/strike in minutes

Use Case: Fixed Wireless Broadband to the Home



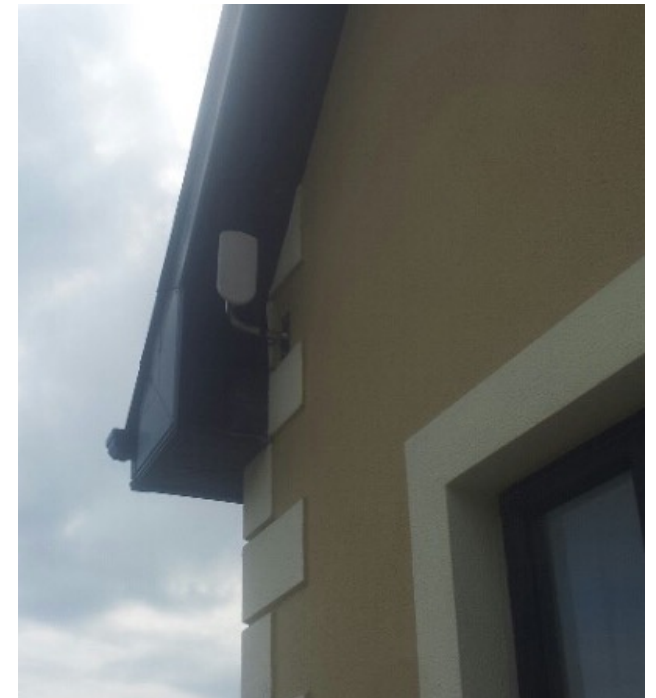
- School hosts point-to-multipoint site
- Network managed by local WISP with expertise
- Students use their existing credentials to access the network



- ✓ **Best possible broadband service to the residence**
- ✓ **Backhaul/PoP in place**
- ✓ **Direct access to school governed sites and content**
- ✓ **Enables streaming and real-time sessions**

- ✗ **Time required to build sites**
- ✗ **Coverage from school roofs may be limited**
- ✗ **Identification of those in need**
- ✗ **Subscriber installation**

Fixed wireless broadband internet service direct to the home



Contact Us

salesdev@cambiumnetworks.com

Get Training

<https://learning.cambiumnetworks.com>

Join the Community

<http://community.cambiumnetworks.com>

Get Support

support.cambiumnetworks.com

Questions & Answers



Cambium NetworksTM

Thank You