



## URNS SCHOOL BUSES INTO MOBILE Wi-Fi HOT SPOTS

Gatekeeper's MWS (Mobile Wi-Fi System) brings the convenience of Internet access via a local Wi-Fi connection on vehicles and school buses. The MWS system allows students (and other authorized users) to connect their Wi-Fi enabled devices to the Internet. Internet access is available when the vehicle is in motion or if the vehicle is parked to provide community Internet access. A rugged mobile Wi-Fi access point is mounted in the vehicle. This access point is specially designed to operate in the extreme temperature range found on school buses.

# GATEKEEPER

MOBILE Wi-Fi SYSTEM  
SCHOOL BUS

## MOBILE INTERNET ACCESS FROM A SCHOOL BUS

### KEY SPECIFICATIONS

- Mobile Internet access from a school bus
- All data is routed through school districts firewall / content filter
- All in one mobile modem provides Wi-Fi and Cellular connectivity
- Antenna options for expansion of in yard Wi-Fi access to access video on a DVR
- Options for single or dual Wi-Fi devices
- Options for single or dual cell radio devices

# SCHOOL DISTRICT HAS COMPLETE CONTROL OVER WHAT SITES USERS CAN VISIT

## GATEKEEPER

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Data received by the Wi-Fi access point, is transmitted via a cellular connection. All data is routed back to the school's IT infrastructure. In this way a school's fire wall / content filter can be utilized thus making for a safe Internet experience for students.

The Gatekeeper MWS can provide specific access to school staff so that their data is routed through a different set of firewall/content filter rules. This is to allow teachers and other approved staff the ability to access additional Internet sites as permitted.

Routing to the school's IT system is achieved via a VPN (Virtual Private Network) tunnel. The VPN functionality is built in the on vehicle Wi-Fi/Cellular device. On the fixed side the VPN is terminated by either a low-cost VPN application which can be run on a server located in school district IT infrastructure or alternatively a low-cost VPN appliance is available.

Either a single sim cellular or a dual sim cellular modem is available. The dual sim modem allows for either carrier diversity or combining 2 cellular channels for increased throughput. In the dual sim device, the software is available to combine the data into a single data stream once it is in the school's IT network.

Gatekeepers trained deployment staff make the installation, setup and operation of the system very easy.

### DEVICES

#### CELLULAR MODEMS/WI-FI ACCESS POINTS

##### BR1 MINI

- SINGLE Wi-Fi RADIO 2.4 GHZ
- SINGLE CELLULAR RADIO – DUAL SIM
- 1 LAN PORT, 1 WAN PORT

##### BR1 MK2

- SIMULTANEOUS DUAL BAND WI-FI RADIO 2.4 GHZ / 5.0 GHZ
- SINGLE CELLULAR RADIO – DUAL SIM
- 1 LAN PORT, 1 WAN PORT

##### BR1 PRO

- SIMULTANEOUS DUAL BAND WI-FI RADIO 2.4 GHZ / 5.0 GHZ
- SINGLE CELLULAR RADIO – DUAL SIM
- 4 LAN PORTS, 1 WAN PORT

##### MAX TRANSIT DUO

- SIMULTANEOUS DUAL BAND WI-FI RADIO 2.4 GHZ / 5.0 GHZ
- DUAL CELLULAR RADIO'S FOR CARRIER REDUNDANCY OR INCREASED BANDWIDTH – DUAL SIM
- 1 LAN PORT, 1 WAN PORT

### SOFTWARE / APPLIANCE

#### VPN TERMINATION FOR FIXED SIDE

##### SOFTWARE APPLIANCE – FUSION HUB

- FUSION HUB ESSENTIAL – SUPPORTS 5 BUSES
- FUSION HUB PRO – SUPPORTS 20 BUSES
- FUSION HUB 100 – SUPPORTS 100 BUSES
- FUSION HUB 500 – SUPPORTS 500 BUSES

##### VPN APPLIANCE – SPEEDFUSION

- BALANCE 20 – SUPPORTS 2/5 BUSES
- BALANCE 305 – SUPPORTS 2/30 BUSES
- BALANCE 380 – SUPPORTS 30/100 BUSES
- BALANCE 580 – SUPPORTS 50/100 BUSES
- BALANCE 1350 – SUPPORTS 800 BUSES

#### ANTENNAS

- 4:1 ANTENNA
- 5:1 ANTENNA

#### RECURRING IN CONTROL SUBSCRIPTION




- CLOUD MANAGEMENT SOFTWARE
- 1, 2 AND 3 YEAR RENEWAL OPTIONS

#### EXTENDED WARRANTY OPTIONS

- 1, 2 AND 3 YEAR RENEWAL OPTIONS



## MOBILE Wi-Fi-SYSTEM- MODEMS

	BR1 MINI HW3	BR1 PRO 5G	MAX TRANSIT PRO
			
ROUTER THROUGHPUT	300 MBPS	1 GBPS	1 GBPS
LAN	2 X 10/100/1000M ETHERNET	2 X 10/100/1000M ETHERNET	1 X 10/100/1000M ETHERNET
CELLULAR MODEM	1 X LTE CELLULAR MODEM WITH REDUNDANT SIM SLOTS	1 X 5G CELLULAR MODEM WITH REDUNDANT SIM SLOTS	2 X LTE CELLULAR MODEMS WITH REDUNDANT SIM SLOTS
CELLULAR DATA SPEED	CAT-7: 300 MBPS/150 MBPS	5G: 4 GBPS / 700 MBPS CAT-20: 2 GBPS / 150 MBPS	CAT-12: 600 MBPS / 150 MBPS CAT-7: 300 MBPS / 150 MBPS
Wi-Fi	DUAL BAND 2.4GHZ / 5GHZ Wi-Fi 5	DUAL BAND 2.4GHZ / 5GHZ Wi-Fi 6	DUAL BAND 2.4GHZ / 5GHZ Wi-Fi 6
IGNITION SENSING	OPTIONAL LICENSING REQUIRED	YES	YES
WAN ACTIVATION	OPTIONAL LICENSING REQUIRED	YES	YES
PRIMECARE SUBSCRIPTION	COMPLIMENTARY FOR THE FIRST YEAR	COMPLIMENTARY FOR THE FIRST YEAR	COMPLIMENTARY FOR THE FIRST YEAR
RECOMMENDED USERS	1 - 60	1 - 150	25 - 150
NUMBER OF PEPVPN / SPEEDFUSION PEERS	2 / 5	2 / 5	2 / 5
ANTENNA CONNECTORS	2X SMA CELLULAR ANTENNA CONNECTORS 2X RP-SMA Wi-Fi ANTENNA CONNECTORS 1X SMA GPS ANTENNA CONNECTOR	4X SMA CELLULAR CONNECTORS 2X RP-SMA Wi-Fi ANTENNA CONNECTORS 1X SMA GPS ANTENNA CONNECTOR	4X SMA CELLULAR CONNECTORS 2X RP-SMA Wi-Fi ANTENNA CONNECTORS 1X SMA GPS ANTENNA CONNECTOR
DIMENSION	5.0 X 4.2 X 1.4 INCHES	5.78 X 5.08 X 1.15 INCHES	6.3 X 3.8 X 1.3 INCHES