



## 1 | GPS Tracking and Reporting

GPS and Active Monitoring of school buses offer several advantages for both the parents and administrators. The BEC MX-1000 embedded GPS functionality provides real-time school bus tracking and location. Parents have peace of mind knowing the precise location of the school bus and can time/track pick-up and drop-offs. Administrators can manage the operational efficiency, enable geo fencing, monitor route adherence, track driver behavior, fuel consumption and proactively monitor school bus fleet maintenance.



## 2 | Real-time Video Surveillance

For many years CCTV surveillance systems with recorders have been common place on school buses to enforce safety rules, monitor pupil behaviour as well as provide assistance with accident determination and motorists that don't abide by the law. The majority of this video is recorded from multiple angles with multiple cameras inside and outside of the bus. The BEC MX-1000 can seamlessly integrate into your surveillance system providing access to watch live, in real-time video that is being recorded.



Carrier Network Certified



## 3 | Captive Portal and Secure Access

Wi-Fi equipped school buses are gaining in popularity allowing students to use travel time to their advantage for homework, tutorials as well as online learning opportunities on field trips and/or other school sanctioned excursions. The BEC MX-1000 Captive Portal provide multiple authentication modes ensuring secure access to network resources for authorized devices and user accounts. Redirect and proxy configuration are supported to connect to existing school-based filtering applications.



## 4 | Multi-Carrier/Failover Always-On Connection

The BEC MX-1000 Multi-Carrier In-Vehicle Router features a rugged compact design with Multi-WAN radios for seamless failover between carriers, carrier-grade Wi-Fi Access point with captive portal and embedded GPS for real-time vehicle positioning/tracking. The integrated 4-port Gigabit switch and multi-function USB host interfaces provide local connectivity for IP cameras, DVR, storage or other equipment. The MX-1000 is purpose-built for performance supporting a high number of connected users for internet access, streaming video and other rich-media applications.

Secure, Robust and Reliable network connectivity for your school bus fleet