



5G Solutions Designed for School Buses

High performance and economical Wi-Fi service on school and activity buses will become possible in 2024 thanks to the E-Rate program. On October 25, 2023, the FCC extended eligibility to school buses, with school districts participating through E-Rate's competitive bidding process.

Digi's family of transportation routers ([Digi TX solutions](#)) matched with PCTEL antennas provide a ready-to-install E-Rate eligible platform — with Wi-Fi hotspot functionality and the latest features expected in today's connected world. Key capabilities include authentication and the ability to integrate with third-party Wi-Fi service offerings.

Our flagship products, [Digi TX54 5G](#) and [Digi TX64 5G](#), offer an extensive range of security controls and whitelisting capabilities, as well as support for commercially available CIPA-compliant content management platforms.

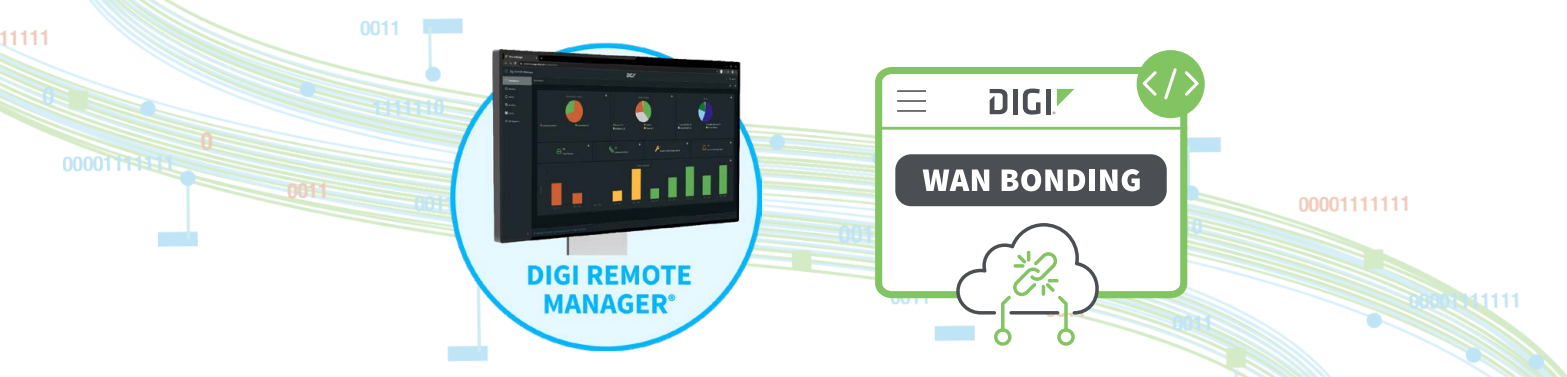
With Digi's sophisticated remote management platform, [Digi Remote Manager® \(Digi RM\)](#), network managers can automate network operation and device management. Digi RM safeguards the security and availability of the system through

configuration management, automated tasks and intrusion detection. It is cloud-hosted and offered under 1, 3 and 5-year subscriptions. The platform enables a range of capabilities:

- ✓ Keep devices up to date with the latest security patches, firmware, and configurations.
- ✓ Keep tabs on the network with health metrics that track the state of the system at any level and enable trending and analysis.
- ✓ Receive alerts based on configurable alarm conditions.
- ✓ Set up remediation in the event a router configuration is detected to be out of compliance.

Dual cellular routers can take advantage of [Digi WAN Bonding](#), where IP packets within TCP streams are distributed across multiple links, adaptively prioritized to the best performing link. With multiple cellular carriers, any coverage gaps or multipath situations have minimal impact on overall performance.

Together, Digi TX routers, Digi Remote Manager, and PCTEL antennas provide a comprehensive and deployment-ready solution, enabling bus systems to upgrade their connectivity cost-effectively while supporting the onboard Wi-Fi needs of passengers.



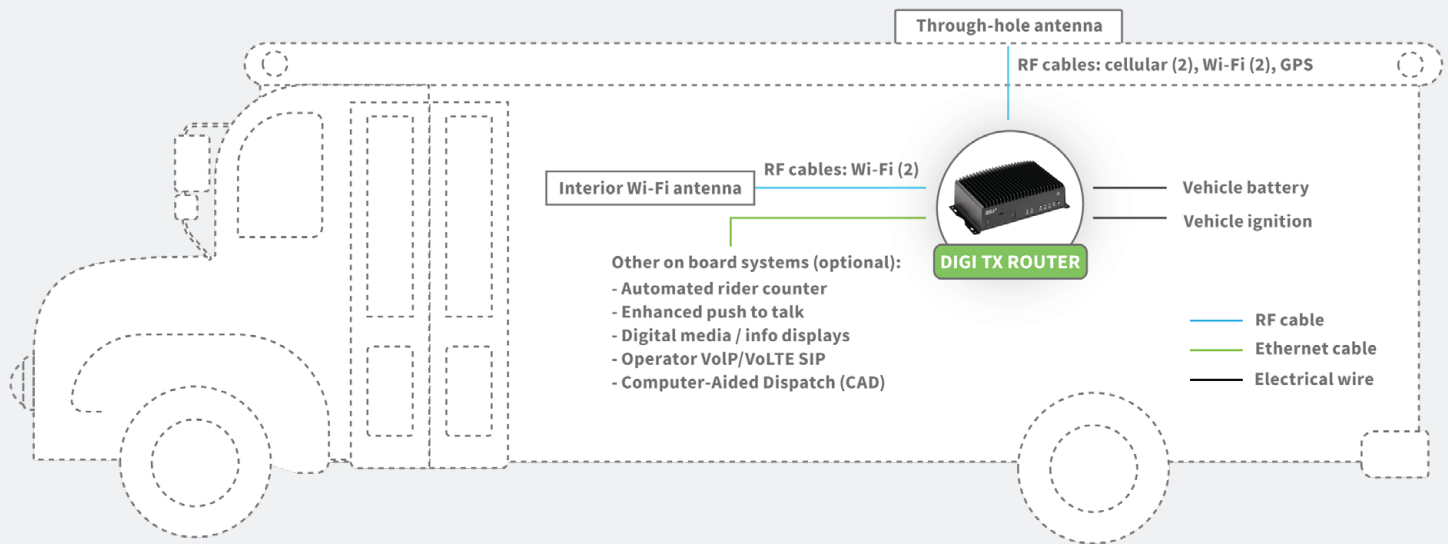
For more information, visit:

www.digi.com

877-912-3444 | 952-912-3444

© 2023 Digi International Inc. All rights reserved.





Features

- ✓ 5G cellular, with support for all major NA carriers
- ✓ 2.4 GHz / 5 GHz dual band 2x2 Wi-Fi rated to 867 Mbps
- ✓ High gain (9 dB) Wi-Fi antenna
- ✓ Range @ 2.4 GHz = 112m; @ 5 GHz = 79m

Components

- Mobile Access Router: Digi TX54-A156
- 5x1 antenna: PCTEL COACH2-5X1-1.5FT-CWG

Router Comparison

Model	Part Number	Ethernet Ports	Cellular Interfaces	Wi-Fi Interfaces	Wi-Fi Clients	Best Suited For
Digi TX40 single cell, single Wi-Fi	TX40-A500	2	1 – 5G/Cat 19	1 – 2x2	32	Basic communications
Digi TX54 single cell, single Wi-Fi	TX54-A156	4	1 – 5G/Cat 20	1 – 2x2	128	Basic communications with 4 Ethernet ports
Digi TX54 single cell, dual Wi-Fi	TX54-A152	4	1 – 5G/Cat 20	2 – 2x2	128	Video backhaul in garage/yard
Digi TX54 dual cell, single Wi-Fi	TX54-A256	4	2 – 5G/Cat 20	1 – 2x2	128	Fast, resilient Internet
TX64 5G dual cell, dual Wi-Fi	TX64-A161	4	2 – 5G/Cat 20	2 – 2x2, 4x4	256	Everything combined

For more information, visit:

www.digi.com

877-912-3444 | 952-912-3444

