

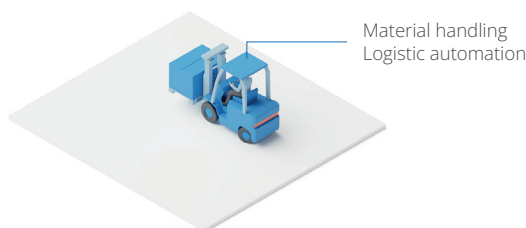
PTlink AM4-TL

IoT gateway for sustainable fleet management

AM4-TL Vehicle IoT Gateway delivers real-time visibility to enable smarter, more sustainable warehouse operations. Its compact design with built-in antennas ensures easy integration without complex installation, while maintaining reliable connectivity. By supporting energy optimization, asset tracking, and streamlined logistics, the gateway empowers efficient, data-driven decision-making.



Application



Seamless integration

Designed for easy integration, the gateway features internal antennas that remove the need for external components. Support for industry-standard interfaces such as CAN and Ethernet ensures seamless communication with a wide range of devices. Whether upgrading existing systems or deploying new solutions, the IoT Gateway simplifies integration, allowing you to focus on optimizing operations.

EU

From design to production, every aspect of our gateways is proudly manufactured within the EU, supporting local industries and guaranteeing top-tier performance. This commitment to European craftsmanship ensures that our products not only meet rigorous standards but also contribute to the growth of sustainable and innovative technologies in the region.

Product features



CRA



Qualified for mobile applications



Global approvals



Long product lifecycle

Processing & Memory

Microcontroller	32-bit Single Core 200MHz
Program Flash	2MB Memory
Memory	520kB SRAM
Storage	4GB eMMC

Interfaces

CAN	2x CAN 2.0 up to 1Mbit/s
LIN	LIN 2.1
Serial	RS232 receiver
I/O	Wake input, 10A high-side switched output

Connectivity

Local	WLAN 2.4GHz with WPA2 (Enterprise) Bluetooth low Energy
Mobile	LTE CAT-M1/NB-IoT/2G
Positioning	GPS/GLONASS/Galileo/Beidou – CEP <1.5m

Sensors

Temperature (internal), Input Voltage, accelerometer

Automotive Electrical Compliance

Nominal voltages	9-72 VDC
Load Dump	ISO 16750-2
Automotive transients	ISO 7637-2/3

Environmental Compliance

Ambient temperature	-40 to +85°C
Thermal Shock	IEC 60068-2-14 (Na)
Vibrations	IEC 60068-2-64, 1.15Grms
Mechanical Shock	IEC 60068-2-27, 50G
Humidity	IEC 60068-2-38 (Z/AD), RH=95%
Salt Spray	IEC 60068-2-52 (severity 5)
IP rating	IP67
Chemical resistance	Oil, Diesel, Antifreeze, brake fluid, battery acid

Regulatory

Europe	RED
North America	FCC/ISED
MNO approvals	Verizon
Country Approvals	Australia, New-Zealand, UAE, Bahamas, Colombia, Dominican Republic

Information subject to change, contact us for more details

