

Revolutionizing Urban Transit

Seamless, Secure, and Efficient eBus Charging Solutions



System Requirements

- Precision integration with operational schedules
- Secure and ISO 15118 compliant wireless connectivity
- Dynamic real-time data acquisition for optimal wireless efficiency

Product Highlights



AWK-3252A Series Industrial IEEE 802.11a/b/g/n/ac Wireless AP

- Concurrent dual-band Wi-Fi with aggregated data rates up to 1.267 Gbps
- Latest WPA3 encryption for enhanced wireless network security
- Universal (UN) models with configurable country or region codes for more flexible deployment



ioLogik E1200 Series Ethernet Remote I/O with 2-port Ethernet Switch

- Supports RESTful API for IIoT applications
- Simplifies I/O management with MXIO library for Windows or Linux
- Wide operating temperature models available for -40 to 75°C (-40 to 167°F) environments

In eBus charging, precision is key. Pantographs for opportunity charging seamlessly integrate with operational schedules, ensuring adequate charging during stops. Advanced automation guarantees secure connections between infrastructure and eBus. This innovative system allows for continuous eBus charging during passenger operations. Data collection and wireless communication play vital roles. Precise data acquisition optimizes charging patterns in real time. Robust wireless channels enable seamless information flow, enhancing efficiency. ISO 15118 standardizes communication between EVs and EVSE (electric vehicle supply equipment), supporting bidirectional interaction for advanced features. By prioritizing security and privacy, data integrity is protected and trust in the charging process is established.

Why Moxa

Our cutting-edge Wireless AP AWK-3252A Series, a pinnacle of robust industrial design, complies with the ISO 15118 standard. This standard ensures the secure identification and authentication of electric vehicles. In parallel, our ioLogik E1200 Series serves as the linchpin, streamlining data collection from end devices and propelling operational efficiency. Committed to collaboration, we actively engage with customers to help them adapt and innovate in this dynamic landscape. Experience first hand the perfect blend of precision engineering and industry-leading standards, ushering in a new era for eBus charging—a future characterized by seamless, dependable, and efficient transportation solutions.

