

Neavia V2I Station

C-ITS ROAD SIDE UNIT – DIN RAIL

+ CONNECTED & AUTONOMOUS VEHICLE COMMUNICATION

+ CAPTURING BLUETOOTH & BEACONING BLE TRAFFIC

+ AVAILABLE IN EUROPEAN OR US VERSION

+ INTEGRABLE INTO ROAD CABINETS

Neavia V2I Station

C-ITS ROAD SIDE UNIT – DIN RAIL

Neavia v2i Station is the V2X solution for connected roads and autonomous vehicle applications. Neavia v2i station operates on 5.8 / 5.9GHz bands according to US or European standards (WAVE 1609 / EN 302 571). The unit is designed to ensure permanent and rugged use along the roads, while ensuring technological scalability. A wide range of interfaces is available to communicate with sensors for advanced vehicle perception and existing traffic lights.

The embedded software includes a Web HMI and API, as well as all application / communication stacks required to communicate with the vehicles and the traffic management centers.

Delivered with a Bluetooth traffic sensor, the unit can be used to measure travel times, detect traffic jams or determine Origins / Destinations.



BENEFITS

- ✓ Compliant with C-ITS corridors
- ✓ Available in European & US version
- ✓ Integrated V2X security stack
- ✓ Integrable into existing cabinets
- ✓ Bluetooth sensor for travel time and beaconing

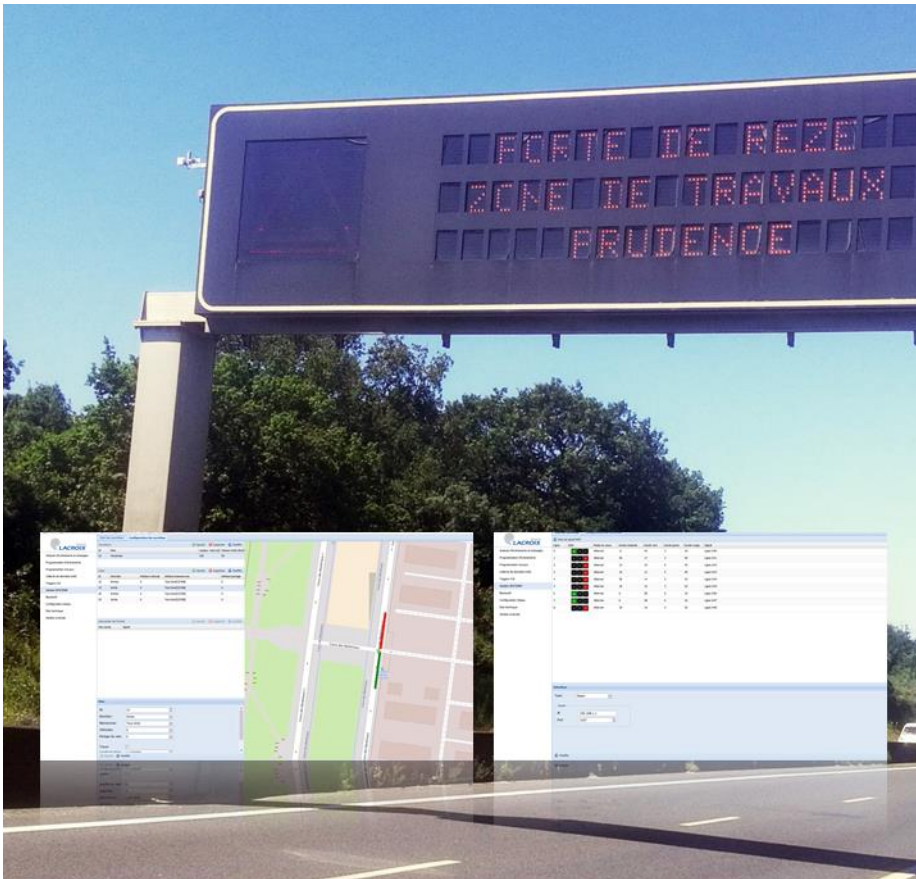
FUNCTIONS

- Web Configuration & PKI Interfaces
- Remote Supervision & Centralization
- VPN Access
- Signature and control of V2X messages
- Monitoring SNMP / V2X Server
- GPS / NTP automatic synchronization

APPLICATIONS

- Connected Vehicle
- Autonomous Vehicle
- Traffic Lights intersection
- VMS V2X
- Toll Assistance
- Work Zone Warning

COOPERATIVE APPLICATIONS VEHICLE-INFRASTRUCTURE



TECHNICAL CHARACTERISTICS

- Dimensions: 10,6 x 11,8 x 2,7 in
- Weight : 1,5 lbs
- Temperatures : -58°F / +158°F
- IP67

POWER

- Consumption : 6W
- PoE 802.3af / 12V-48V DC

ANTENNAS

- Multiple cable lengths (option)
- Multi channels omnidirectional antenna
V2X / Bluetooth / Cellular / GPS
- Connector V2X type SMA
- Multiple antenna choices (option)

INTERFACES

- Double radio V2X 802.11p
5.9Ghz / Tx +23dBm / Rx -98dBm
- Bluetooth 2/4 BLE
- Ethernet 10/100/1Gbps
- 3G/4G
- I / O extension module (option)