



# Success Stories



## HMI Touch Screen for Outdoor Fast Charge Station

Explosion-proof HMI touch screen for extreme working conditions

## The Demand for Fast Charger Station

Electrification of transportation is steadily growing hence the demand for charging facilities and high-power chargers for Electric Vehicles (EVs), such as the Level 3 charging. A global leader in direct current (DC) fast chargers station aims to electrify transportation nationwide through an accessible charging network and versatile charging stations. The plan is to put the chargers stations in traditional fuel stations, rest stops, motorways, and many public areas, where EV drivers often seek a fast charge and easy-to-find stations. The quick turnaround enables long-distance driving and larger fleet drivers to recharge during the day or on a small break instead of being plugged in for long hours or overnight for a full charge.

The customer's unique DNA of small footprint, scalability, flexibility, and high efficiency calls for the HMI touch screen that is slim, durable, safe to use, and compact. It should support the seamless user experience of the DC charging system and simultaneously withstand the rigors of high usage in various outdoor charge points. Including the harshest charging climate.

## Connect the Charging Network with Winmate HMI Touch Screen

With almost three decades of experience and knowledge in the production and development of safe HMI touch screen and fanless computer productions, Winmate understands how computers used in the office and outdoor areas are different, not to mention the charges station, which subjects to wind, dust, rain, and a wide range of temperatures against the four seasons.

Wimate's industrial touch screen is robust and internationally certified for safe use with Class I Division 2, Groups A, B, C, D, T5, IECEx/ATEX Zone 2 certifications. Our products also come with sealed enclosures of IP65 to thrive in extreme temperatures while at the same time providing access to real-time data.

Wimate best selling products for EV charging stations are:

- [15-inch C1D2 Panel PC](#)
- [IP66 ATEX grade Panel PC](#)

## Winmate Embedded Industrial PC solutions

### M12 Connector for washdown and corrosive environments application

Winmate ATEX grade embedded industrial PC comes with M12 connectors, making the products safe for frequent washdown and corrosive environment applications. The M12 connectors simplify the installation, and the clearly coded design reduces the chance of accidental mismatching.



### Rugged design for outdoor applications

As the electric vehicle charging stations will be placed in various outdoor areas, along with the station, the HMI touch screen needs to withstand the environmental requirements. Winmate has designed their industrial panel PC to comply with the IP65/IP66 standard while building a futuristic, sleek, and stylish housing. The 15-inch ATEX grade panel PC is equipped with a responsive touchscreen and high-luminance display, enabling easy operation and improving usability.



### **Purpose-built for wide working temperatures**

Winmate designed the ATEX HMI touch screen for wide temperature use and optional intelligent heater (vary by product model), making Winmate Explosion-proof computers suitable for operating in outdoor or hazardous environments, whether there are blistering hot or cold temperatures. The fanless thermal design with smooth enclosure offers highly efficient heat dissipation and high-performance computing for most demanding tasks.

### **WIDE OPERATING TEMPERATURE**



### **SAFE FOR USE IN HAZARDOUS LOCATIONS**



### **Vast experiences in hazardous environments**

For almost three decades, Winmate has been developing various rugged computing and HMI solutions that meet international safety and industrial qualifications. Winmate offers certified ATEX and Class 1 Division 2 (C1D2) solutions for maintaining safe operations and collecting detailed, sensitive data. Following the North American National Electric Code (NEC) and the European ATEX directive for equipment classification.

## Related Products



### Winmate Panel PC R15IB3S-65EX

15" TFT-LCD Panel-PC  
Intel Celeron N2930  
Touchscreen (Kapazitiv)  
Passiv gekühlt  
IP65 (komplett)



### Winmate Panel PC R15ID3S-65EX

15" TFT-LCD Panel-PC  
Intel Atom N2600  
Touchscreen (Analog Resistiv)  
Passiv gekühlt  
IP65 (komplett)



### Winmate Panel PC R19IHAT-66EX-T

19" TFT-LCD Panel-PC  
Intel Core i5-1135G7  
Touchscreen (Kapazitiv)  
Passiv gekühlt  
IP66 (komplett)



### Winmate Panel PC R19IHAT-66EX

19" TFT-LCD Panel-PC  
Intel Core i5-4300U  
Touchscreen (Kapazitiv)  
Passiv gekühlt  
IP66 (komplett)