

# INDEED, NOT ALL RUGGED IS MADE IDENTICAL



## **White Paper**

WHATEVER YOU NEED TO  
HAVE TO UNDERSTAND ABOUT  
STURDY LAPTOP COMPUTER  
INSURANCE CLAIMS

*Vol. 2 - 2021*

## Introduction

According to the data collected by the U.S. Fire Administration, Fire kills more than 3,000 people each year in America and leads to billions in property loss. Firefighting is a mission with zero room for errors as every second count, and lives are on the line. Firefighters need to keep track of current operations while on duty or receive information from the central command center and local fire station directly into the police car or fire truck. These first responders must be equipped with robust communication tools, precise navigation, and the latest technologies to increase the operation speed and enhance their situational awareness.

Police officers are continuously in movement and significantly require quick, trusted information and interactions while on patrol. As a result, officers can work more rapidly when finishing a mishap report and invest less time on the roadside-- a possibly hazardous area. When selecting a Laptop, law enforcement companies need to think about how well that specific gadget works with all of the applications they require to utilize on the task. Such nimble products let an officer survey and document an incident or accident, record the witness accounts, and retrieve and share all this information without hassle. Rugged Laptops can lead to improved safety as well. For instance, officers can work more quickly when completing an accident report and spend less time on the roadside – a potentially dangerous spot. In addition, a variety of applications can significantly ease the burden of filling out forms, scanning I.D.s, and other previously cumbersome tasks that required data entry. But, when choosing a Laptop, law enforcement agencies should consider how well that particular device works with all of the applications they need to use on the job.

The utility of the rugged Laptop is further enhanced by the multiple available options that add support for security and data collection functions; these include readers for barcode, RFID, smartcard, and magstripe cards. These optional add-ons help empower public safety officials to facilitate rapid response times,

streamline processes such as incident reports, and lower costs. As a result, emergency response crews can get better and more vital information onsite and in real-time. In addition, integrated next-generation 802.11ac WiFi from Intel permits it to link to gain access to points or in-vehicle network gadgets quickly. Users likewise can link through USB to car modems and other peripherals, and for Verizon consumers, there's an alternative for 4G LTE to link to cellular networks. In addition, the system can be set up with a GPS for mapping and automated automobile areas.

For more than 25 years, Winmate Inc.- has provided robust and reliable solutions to our customers and partners. Robust and elegant designs with years of experience producing rugged electronics solutions have made Winmate Inc. the leader in this field. We strive to provide excellent availability of our products, recognizing the need of our customers for timely delivery and long-term availability. During the design phase, we carefully select our components to ensure an extended state of construction – in addition, we have a system to handle end-of-life issues for our customers' benefit.



## Mobile Computing Solutions for Public Safety

Police, Fire, and EMS vehicles all have one common challenge: they present challenging environments to install and maintain computer equipment. Winmate has developed mobile computing solutions that people on the front lines of public safety can rely on. Designed to stand up to wear, tear, and pounding – Winmate products deliver the features that make work easy, along with access to back-office information and the real-time intelligence needed to keep communities safe. Paired with our custom vehicle mounting options, Winmate rugged Laptops and fixed mount computers are fully equipped to boost efficiency in critical circumstances.

All Winmate products fit safely and ergonomically in public safety vehicles, backed by an industry-leading warranty and serviced in the USA.

## Benefits to Police Departments:

- Pull records quickly with fast wireless connections to central databases.
- Powerful processing for viewing in-car video
- Increase ticketing accuracy and city revenues with compatibility with e-citation software.
- Improve officer efficiency with paperless documentation of evidence or deposition in the field
- Streamline dispatching – GPS option enables emergency responders to get onsite faster.
- Quickly run multiple applications, including mapping and records management systems.
- Increase access to critical pre-hospital patient data.
- Eliminate error-pro



## Industrial Challenges

Technology advancements dramatically disrupt public safety agencies. Emergency and public safety facilities use process automation to improve workflow and speed up the reaction time. With modern technologies police, emergency services can reach 24/7. Intelligent automation solutions enable safe city programs using advanced video analytics to help city monitors rapidly identify threatening crowd behavior, flood risks, and suspicious objects, among others, facilitating collaboration among various agencies. Winmate provides rugged computing solutions that help to identify and gather relevant data, analyze it, and put it into the hands of those who serve the public to serve the public better.

Winmate understands the needs of public safety operations and provides solutions to industrial challenges:

- **Truly connected** - A connected workforce increases efficiency and significantly reduces crime in public safety applications.
- **Cyber Security** - Governments use big data analytics to detect malicious cyber activity patterns and implement adaptive, data-driven ways of responding to cyber threats.

- **AI-based decision making** - Modern A.I. technologies such as face recognition are already incorporated into public safety workflow.

- **Data collection** - The need to collect data from different sources such as barcodes, RFID tags, 3D scans, and onsite photos and videos.

- **Work in remote locations** - Wireless signal capabilities must be strong enough to work in remote locations around the city.

## Innovative Technology

- Uninterrupted communications with wireless technologies WiFi, 4G / LTE, Bluetooth
- Precise navigation GPS / GLONASS
- Rugged construction – drop, vibration, and shock resistance tested according to MIL-STD-810G
- Built-in data capture devices barcode reader, astute card reader, NFC/ RFID, fingerprint scanner
- Remote device management abilities

## Safety and Standards

- MIL-STD-810G Shock, vibration, and drop
- Ingress Protection (I.P.) Full IP65-rated water and dustproof
- Safety C.E., FCC, CCC

## Technology Options



Optimal power design for vehicles



Superb visibility day and night



IP-65



Built for the cold and the heat



Seamless communications



Industrial communications for field use

## Public Safety Solution

The Winmate Rugged Mobile computer is an all-in-one Rugged Laptop that has been helping police, Fire, and EMS personnel perform for over a decade. The computer stays with the vehicle, so it is always ready to be deployed. Whether your focus is increasing the speed of service, improving your bottom line, efficient communication between dispatch centers and officials in the field, etc. Winmate can help. We provide rugged mobile solutions that are capable of increasing productivity in the area. Please speak to one of our experts to explore the hardware that can best help achieve your goals. One-Stop-Shop Service: HW + SW+ PM+ Factory with all-in-one solution.

- ✓ OS: offers Android and Windows-based options with application-focused.
- ✓ Wireless communications: external antennas, broad power input, and ignition control.
- ✓ Safety Certification: IP65 waterproof and dustproof, Shock and vibration resistance according to MIL-STD-810G
- ✓ Product Longevity: 5 ~ 7 Years
- ✓ Standard Warranty: 1 Years
- ✓ Extended Warranty: 5+ Years

**In public safety situations, law enforcement requires fast, efficient communication between dispatch centers and officials in the field. This helps ensure the appropriate emergency response is rapidly dispatched, and traffic is redirected as needed to ensure safety.**

**DID YOU KNOW?**



## Winmate Products: Overview

Winmate provides rugged mobile computing solutions for law enforcement use with our rugged mobile computers and rugged Laptops. With various wireless connectivity options, including 4G LTE and GPS, and rugged designs that withstand all-day use, Winmate ensures that public safety officials will have the right technology to handle their tasks efficiently.

Our rugged mobile devices include:

- The latest Windows® and Android® operating system
- Robust wireless communications
- Application-tailored accessories

Winmate Rugged Laptop is an innovative application designed to help Public Safety Agencies (Police, Fire brigades, and Rescue Services) in the terrain. The system communicates with the operation center and provides commanders with various management and decision support tools during all phases of an incident. Laptop can be used on the route to the scene (dispatch lists,

statuses, offline navigation, etc.), at the scene itself (mutual coordination, map drawings, taking & sharing photos, etc.) and also after an incident (photo archive, data store, visualization of the track to the scene, etc.).



**Winmate Rugged Laptop is a smart application designed to help Public Safety Agencies (Police, Fire brigades, and Rescue Services) in the terrain.**



## Summary

Law enforcement requires fast, efficient communication between dispatch centers and officials in the field in public safety situations. This helps ensure the appropriate emergency response is rapidly dispatched and traffic is redirected as needed to ensure safety. For law enforcement officials to be constantly connected, they require rugged mobile devices for reliable everyday use in fieldwork and in-vehicle applications.



### 13.3" Rugged Laptop Series

11th Gen. Intel® Processor Family – Tiger Lake Processor



### 14" Rugged Laptop Series

11th Gen. Intel® Processor Family – Tiger Lake Processor

## About Winmate

Founded in 1996, Winmate Inc. is a pioneer in rugged computing technology. For over two decades, Winmate has provided business leaders worldwide with reliable, rugged solutions made for the most challenging industrial conditions. From R&D to manufacturing to in-house testing, Winmate Inc. manages the entire product development process with ready-made products available for quick deployment. Today Winmate's innovative approach has helped countless enterprises at every level with equipment automation and seamless Industrial Internet of Things (IIoT) integration.

Visit [www.winmate.com](http://www.winmate.com)





[www.winmate.com](http://www.winmate.com)

## Contact Us



### Winmate Inc.

No.111, Shing-De Rd.,  
San-Chung District,  
New Taipei City 24158, Taiwan  
**Tel** +886-2-8511-0288  
**E-mail** [sales@winmate.com.tw](mailto:sales@winmate.com.tw)  
**Website** [www.winmate.com](http://www.winmate.com)



### Winmate USA Inc.

2640 Mathews Street,  
Smyrna, GA 30080, USA  
**Tel** +1 678-653-8800  
**E-mail** [NASales@winmate.com.tw](mailto:NASales@winmate.com.tw)  
**Website** [www.winmate-rugged.com](http://www.winmate-rugged.com)



### TTX Canada Inc.

150 Werlich Drive, Units 5&6  
Cambridge, Ontario, N1T 1N6 Canada  
**Tel** +1-519-621-1881  
**E-mail** [Sales@ttx.ca](mailto:Sales@ttx.ca)  
**Website** [www.ttx.ca](http://www.ttx.ca)



### Winmate Germany

Bgm.-Gradl-Straße 1 D-85232  
Bergkirchen-Feldgeding  
**Tel** +49 0 8131 33204-0  
**E-mail** [info@tl-electronic.de](mailto:info@tl-electronic.de)  
**Website** [www.tl-electronic.de/](http://www.tl-electronic.de/)



### 北京京融电自动化科技有限公司

Room 204, Building A,  
Shangdi International Technology Venture Park,  
No. 1, Xinxu Road, Haidian District, Beijing City  
**Tel** +86-10-82743702/3802  
**E-mail** [sales@winmate.com.cn](mailto:sales@winmate.com.cn)  
**Website** [www.winmate.com.cn](http://www.winmate.com.cn)