

PUBLIC SAFETY

GETAC V110 CONVERTIBLE NOTEBOOK SPEED ST. LOUIS AREA RESPONDER RATE

/ Challenge /

With the recent revamp of classic Caddies and Packards, 911 Central County Emergency Department team is fully outfitted with shiny new Ford Crown Vic "chiefs' cars," equipped with today's most eye-blistering blue-and-clear strobe lights on their roofs and blaring electronic "wa-wa" howlers that can be heard for a mile and a half in all directions. Deserving of the latest in rugged technology, 911 Central County Emergency's tech guru, Matt Thuston, knew that an upgrade from "big, bulky, an impediment to visibility and hard to dock" rugged laptops was due.

/ Solution /

Getac V110 fully rugged notebook with 11.6" widescreen display with Lumibond 2.0 touchscreen technology.

/ Benefits /

In addition to being compact, lightweight (1.4-inch thick, less than 4.75 pounds), and Mil-Spec certified, the rugged convertible tablet/laptops feature an 8th Gen Intel® Core™ i7 vPro™ V110 (i5 Core CPU optional) that delivers more speed, power, and performance across the board.

/ Central County Emergency 911 /

"Once they realized they could use the V110 for starting and following an electronic medical-reporting trail and even to begin the insurance company billing process, the number of employees buying into the program soared." - Matt Thuston



Getac V110
Fully Rugged Convertible

/ Challenge /

"Our previous makers' units were classic rugged laptops. They were big and bulky, an impediment to visibility in the vehicles' cabs and harder to dock, undock, and move out of the way than the Getac's" say's Thuston.

Central County uses OMG (formerly Sierra Wireless) routers and runs their dispatching system off the routers using a customized Central Square Technology mobile client that routes the vehicles to their calls, then files and tracks all the notes and time slips related to that call. The system sounds simple, not terribly sophisticated at all, until all the potential variables are calculated. This put accurate and reliable GPS technology at the forefront of 911-CCE's list of rugged technology needs.

"The dispatching program Central Square devised for us is really nothing at all like Google or Apple maps. The Google or Apple map applications will calculate the routes and try to find the fastest one between the two points. But the user needs to take into consideration such things as time of day, traffic density, and a myriad of other factors," Thuston says.

/ Solution /

In addition to providing substantially more raw computing power than the legacy laptops they replaced, the V110

convertibles are considerably more flexible in both operation and deployment. Those older models had totally rigid keyboards, Thuston noted. Once you opened the laptop clamshell (cover) you were stuck with the keyboard hard-mounted below the screen. There was nothing equivalent to the V110's built-in tablet mode.

Getac V110 fully ruggedized, dock-mounted convertible tablets hitched to a Wi-Fi router enabling the chiefs' cars, and roughly 220 ambulance and fire trucks similarly equipped to flawlessly communicate with central dispatching in Ellisville, Indiana. Deployed is an array of WiFi, radio and telecommunications hardware, software and some of the most sophisticated algorithms in the business for automatically determining the exact combination of locations and bandwidths which are the most efficient routing at any given point on the system.

Moreover, Thuston noted that in addition to being compact, lightweight (1.4-inch thick, less than 4.75 pounds), and Mil-Spec certified, the rugged convertible tablet/laptops feature an 8th Gen Intel® Core™ i7 vPro™ V110 (i5 Core CPU optional) that delivers more speed, power, and performance across the board. Especially, Thuston said, in detailed graphics applications where Intel's new UHD Graphics 620 subsystem provides an unparalleled level of 3D responsiveness and video

for the map-and-motion analysis tools crucial to locating hotspots and supplying rescue crews in the fastest and most efficient manner.

/ Benefits /

- Lightweight, rugged laptop upgradable to tablet mode provides 220 ambulance and fire trucks unparalleled graphics applications crucial to locating hotspots and supplying rescue crews.
- Compact form factor allows ambulance rear mounting minimizing handwritten form-filling and storing patient-reporting data including vital signs and triage instructions.
- Automated "fastest on scene" first-responder and backup unit routing.
- Customized Central Square Technologies safe routing software boosts situational awareness cutting response time.

/ About Central County Emergency 911 /

Central County Emergency 911 proudly provides fire and emergency medical dispatching services for western St. Louis County and portions of Franklin County, Missouri.

