

# Panel and Tablet Solutions: Results in Four Industries



# Recreation: Golf Cart Touchscreen Technology

Product: GM-70 and GM-100

In recreation, offering a better experience than your competitors is key to success. In Golf, this often translates to offering a challenging, but enjoyable golf experience; a course with picturesque holes and challenging greens, but not so imposing that players flee to a competing course. Just as important, though, and far easier to control, are course amenities. Offering the little extras is a great way to make players want to come back again and again, and it offers chances to sell players on extras and increase profits.



Estone Tech has developed a rugged solution for recreation venues like golf courses, in the form of our GM-70 and GM-100 seven and ten inch tablet style panel PCs. On the golf course, imagine an interface system that handles every aspect of providing a pleasurable playing experience; on-board GPS and golf course playing data, a CAN Bus interface that makes monitoring and interfacing with the cart's systems simple, and a wireless connection to the clubhouse and other amenities like the snack cart. Players would find the system an invaluable asset to an enjoyable game, and the ability to know exactly when and where players were hungry, thirsty, or in need of equipment would allow any course to maximize their per round profit.



And the GM systems aren't limited to golf use. With standard VESA mounts, a long-life battery, and easy adaptability, the units are a smart choice for logistics vehicles and rental vehicles, tour infotainment systems, even police and emergency vehicles. Estone Tech equips the units with extremely bright, sensitive touchscreens that work in full sun, IP65 waterproof protection, and rugged, vibration resistant construction. The systems are equipped to work in temperatures below freezing to above 120° F standard, but wide temperature range options are available for hot or cold climates, so that the unit finds nearly unlimited use.



# Vending: Embedded Tech Makes the Sale

Product: PPC-4510

Vending represents the next stage in consumer service. As technology improves, vending systems are able to offer virtually everything, from freshly prepared foods like pizza and ice cream to products ranging from cell phones to clothing. Such vending devices can be found today in airports, shopping malls, and public gathering places, offering 24-7, high quality product access without the need to constantly staff a business. A single employee can regularly attend several units, keeping them stocked, cleaned, and ready to vend on a reasonable schedule.

A rugged, easy to use embedded Panel PC is critical to modern vending machines. With equipment able to provide a wide variety of options and meet user preferences, old-fashioned push-buttons and number pads no longer get the job done.

Estone's 4510 touchpanel already appears in popular frozen treat vending systems seen across the country. The PC's allow users to select from a wide variety of vending options, and also provides easy access for machine operations and maintenance for a technician or manager.

The fanless, embedded touch panel PC is equipped with a bright, sturdy, 10.1" capacitive touch LCD and advanced on-board processing and graphics to handle demanding applications. An included LVDS output allows the panel to be used as a control screen for a larger video output, depending on the application. USB 2.0 ports, RS232 connections and DB9 ports provide plenty of connectivity for controlling and monitoring vending equipment. A unique feature, an external WiFi antenna connector, allows the unit to be used even in remote areas where connection to a LAN or low-power WAN might be difficult.



# Accessibility: Rugged Tablets Assist Outreach

Product: A1000

One of the miracles of modern technology is the ability to bring communication to those who can't communicate on their own. Today, powerful, affordable, slim and light tablet computers are installed with advanced, specialized communication software that helps speak for individuals with limited or no mobility, vocal capacity, or delayed development. Adaptable touchscreens provide large, clear symbology associated with words or ideas, making it easy to select and vocalize needs, desires, and thoughts. For individuals with full physical impairment, an embedded or attached camera provides eye-tracking capacity, allowing individuals to select words & symbols with only a gaze.



Estone tech had an opportunity to work with Saltillo, an expert company in accessibility software. Our A1000 tablet, a rugged, 10" tab available with VESA or Wheelchair mounts standard, made the perfect base for their exceptionally helpful unit. With a bright, tough LCD, plenty of connectivity options, and available wireless charging, the unit is ready to serve a wide variety of needs and user abilities.



In terms of hardware, the tablet provides plenty of power, with a robust Intel Bay Trail-T processor, 2GB of DDR3 RAM, and on-board Intel HD Graphics. With intuitive Windows 8/10 Pro or Embedded, users will be able to easily install new software, and configure the tablet to work with equipment and electronics already in the user's home. Dual, 2-Watt stereo speakers give users a powerful voice for any environment, and a variety of connectivity options, including SD, USB, HDMI, and NFC (Near Field Communications) make the tablet handy almost anywhere. And with an IP52 waterproof rated front panel, the unit is easy to clean and sanitize for the rugged life it's designed to serve.



# Industry: Truly Rugged Tablets for Hard Work

Product: MR-100

Industrial businesses, more than any other industry, must embrace automation. Any chance to increase production, decrease downtime, and take people out of harm's way working directly with dangerous equipment is an opportunity that must be seized. But networked industrial equipment only goes so far, as a person must still be on hand to interpret data, make decisions, manage supplies, and monitor performance. These tasks are extremely important, and must be tackled every hour of every day, demanding a dependable piece of hardware that supplies the tools needed without the fear of failure or frequent replacement. Such technology has to be as durable as any tool on the shop floor or in the field, with protection against drops, impacts, water, and dirt.



That's why Estone Tech developed the MR-100 fully rugged industrial tablet. At 10", the MR-100 was carefully designed to be small enough to easily go anywhere, but big enough to easily tackle any task. Full IP54 waterproof protection assures that tablets caught in rain, spray, dust, or mud won't fail the user. And a 4+ foot drop rating keeps work flowing through bumps and impacts.



But the tablet is not just a handheld data processor. Estone Tech considered all possible uses when we developed the MR-100. Available options like NFC connectivity and an integrated 1D/2D Barcode scanner make the tablet a perfect choice for shipping docks, warehouses, and lab settings. And because many of our tablets find use both in the field and the office, the MR-100 offers an optional drop in docking unit, which instantly transforms the tablet into a full featured workstation. The docking unit has even been designed with secure pins to hold the tablet in place if used in a vehicle or unstable environment. That's right, one tablet for your office, warehouse, field, and in the car or truck.



Estone Tech is always on the lookout for new solutions.