# FULLY RUGGED PRODUCTS

### U11 Tablet
The U11 is the only tablet in its class with a truly fanless and sealed design. Powered by Intel 7th Generation Y-Series processors, this fully rugged tablet is built with plentiful I/O and expandable and customizable options to provide world-class performance for even the most demanding of tasks.

### R11 Tablet
The Durabook R11 now has the latest Intel® 8th Generation CPU, Intel® UHD 620 graphics processor, DDR4 memory, Intel® Dual Band Wireless AC 9260, and Bluetooth V5. The Durabook R11 is delivering the highest levels of performance and connectivity available for mobile workers who are being asked to do more complex and demanding tasks in the field.

### R11L Tablet
The R11L, designed for logistics, retail and hospitality markets, provides users with an ultra-rugged 11" tablet designed specifically for asset/inventory management, mobile POS, line-busting, in-aisle assistance and table service. The value-driven R11L is highly customizable and offers robust selection of expansion options to create a true, purpose-built rugged computing solution.

### Z14I Laptop
The Z14I fully-rugged laptop features a DynaVue® 14" 1000 NIT sunlight readable touch panel display. A sealed, fanless design withstands the harshest conditions facing the Z14I. The Z14I allows for multiple configurations and offers robust I/O port options.

# SEMI-RUGGED PRODUCTS

### S14I Laptop
The S14I features an invincible mechanical design with rigorously tested components. It meets the standards of MIL-STD 810G Change 1, can withstand a 4-foot drop, and boasts an IP53 rating, making it suitable for use in locations where rain or dust may be a regular occurrence. Powered by Intel® 8th Generation processors, and running Windows® 10 Pro, the S14I provides users with hot-swappable battery feature without compromising long battery life.

### S15AB Laptop
With the largest 15.6" Full HD display in its class, combined with Windows 10 Pro, the S15AB will enhance productivity and multitasking abilities. The 2nd Generation S15AB is just 1.5" thick and weighing only 5.76 lbs. is designed for a mobile workforce with IP5X and MIL-STG-810G certifications. The S15AB features an 8th Generation Intel® processor to handle data intensive tasks and includes an optional multi-drive storage configuration, making the S15AB into a highly-mobile working server.

| | **Z14I** LAPTOP | **S14I** LAPTOP | **S15AB** LAPTOP | **U11** TABLET | **R11** TABLET |
|---|---|---|---|---|---|
| | **Fully Rugged Laptop** | **Semi Rugged Laptop** | **Semi Rugged Laptop** | **Fully Rugged Tablet** | **Fully Rugged Tablet** |
| **RUGGED FEATURES** | • IP65<br>• MIL-STD-810H certified<br>• MIL-STD-461G<br>• MIL -STD-810G 509.5 Salt Fog certified<br>• ANSI C1D2 12.12.01 Option<br>• Vibration Truck Transport | • IP53<br>• MIL-STD-810G certified<br>• 4' Drop<br>• Magnesium Alloy Chassis<br>• Vibration Truck Transport | • IP5x certified<br>• MIL-STD-810G certified<br>• 2.5' Drop | • IP65<br>• MIL-STD-810G certified<br>• MIL-STD-461G<br>• 509.5 Salt Fog certified<br>• ANSI C1D2 12.12.01 Option<br>• Vibration Truck Transport | • IP65<br>• MIL-STD-810G certified<br>• MIL-STD 461F Level II<br>• ANSI C1D2 12.12.01 Option<br>• Vibration Truck Transport |
| **CPU** | Intel i7-8650U, 1.9GHz vPro<br>Intel i7-8550U, 1.8GHz<br>Intel i5-8350U, 1.7GHz vPro<br>Intel i5-82500U, 1.6GHz | Intel i7-8650U, 1.9GHz vPro<br>Intel i7-8550U, 1.7GHz<br>Intel i5-8350U, 1.7GHz vPro<br>Intel i5-8250U, 1.6GHz | Intel i7-8565U, 1.8GHz<br>Intel i5-8265U, 1.6GHz | Intel i7-10510U, 1.2Ghz vPro<br>Intel i5-102210Y, 1.0GHz | Intel i7-8650U, 1.9GHz vPro<br>Intel i7-8550U, 1.8GHz<br>Intel i5-8350U, 1.7GHz vPro<br>Intel i5-82500U, 1.6GHz |
| **RAM** | 2 slot 8GB to 32GB - DDR4 | 2 Slot 8GB to 32GB - DDR4 | 2 slot 8GB to 32GB - DDR4 | 1 slot 8GB to 16GB | 1 slot 8GB to 16GB |
| **HDD/SSD** | 256GB SSD / 512GB / 1 TB SSD, Opt. OPAL 2.0 SSD or FIPS 140-2 | 256GB SSD / 512GB / 1 TB SSD, Opt. OPAL 2.0 SSD or FIPS 140-2 | 256GB SSD / 512GB / 1 TB SSD, Opt. OPAL 2.0 SSD or FIPS 140-2 | 128GB / 256GB / 512GB / 1TB SDD, Opt. Opal 2.0 or FIPS 140-2 | 128GB / 256GB / 512GB / 1TB SDD, Opt. Opal 2.0 or FIPS 140-2 |
| **WLAN** | Intel-9260 AC | Intel-9260 AC | Intel- 9260 AC | Intel- 9260 AC | Intel- 9260 AC |
| **Bluetooth** | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| **LCD** | 14" FHD 1000 Nit Dis. | 14" FHD | 15.6" FHD | 11.6" FHD | 11.6" FHD |
| **Touch** | Capacitive Multi-Touch | Optional 1000 Nit Capacitive Multi-Touch | NA | Capacitive Multi-Touch / Opt. 1000 Nit Display | Capacitive Multi-Touch / Opt. 500 Nit Display |
| **RW Media Bay** | DVD/RW / 2nd Battery / 2nd SSD | DVD/RW / 2nd Battery / 2nd SSD / PCMCIA + ExpressCard / PCMCIA + PCMCIA | DVD/RW / 2nd SSD/ 2nd - 3rd SSD | NA | NA |
| **Stylus or Opt Digizer** | Stylus | Stylus | NA | Stylus / Optional Digitizer | Stylus |
| **Backlit Keyboard** | YES | Optional | Optional | Optional Detachable Backlit Keyboard | Optional Detachable Backlit Keyboard |
| **Rubberized Keyboard** | YES | NA | NA | YES | YES |
| **Webcam** | 2.0 MP with shutter | 2.0 MP with shutter | 2.0 MP | 2.0 MP (Front) - 8.0 MP (Rear) | 2.0 MP (Front) - 5.0 MP (Rear) |
| **Features (Optional)** | | | | | |
| **Fingerprint Reader** | YES | YES | NA | YES | NA |
| **Barcode Reader** | NA | NA | NA | YES | YES |
| **WWAN** | Gobi 5000 | Gobi 5000 | Gobi 5000 | Gobi 5000 | Gobi 5000 |
| **GPS** | YES | YES | YES | YES | YES |
| **Expansion** | | | | | |
| **MSR** | NA | NA | NA | NA | Optional |
| **CAC** | YES | YES | YES | YES | Optional |
| **RFID/NFC** | Optional | Optional | Optional | Optional | Optional |
| **OTHER EXPANSIONS** | PCMCIA + ExpressCard or PCMCIA + PCMCIA | * See Media Bay Options | NA | PCMCIA or ExpressCard | Opt. RJ-45 / Opt. RJ-45 / RS-232 / CAC |
| **Physical** | | | | | |
| **Weight & Dimension(W,H,D)** | 7.93lbs; 14.02"x11.02' x1.97" | 5.07lbs; 13.78"x11.1"x1.5" | 5.73lbs; 14.76"x10.75"x1.16" | 2.99lbs; 12.48"x8.47"x0.94" | 2.65lbs; 11.73"x7.56"x0.79" |
| **Operation System** | | | | | |
| **WINDOWS** | WIN 10/64Bit | WIN 10/64Bit | WIN 10/64Bit | WIN 10/64Bit | WIN 10/64Bit |

# BEST-IN-CLASS OFFERING

## INDUSTRIAL EXPERIENCE

- 30+ years experience of manufacturing personal computers and peripherals.
- 20+ years developing rugged solutions for field use environments.
- Strong HW/ME/SW and system design capabilities to drive innovation.

## IN-HOUSE DESIGN

## FLEXIBLE CUSTOMIZATION

- Customization capability to meet In-field performance
- Purpose-built solutions for unique requirements
- Collaboration with ISVs, IHVs  for vertical focused total solution

## RELIABLE QUALITY CONTROL

- Best practices in quality manufacturing
- Built-tough products, designed to meet MIL-STD-810H and IP requirements.

## CUSTOMER SATISFACTION

- Low failure rates
- Flexible warranty support options
- Most competitively pricing rugged offerings

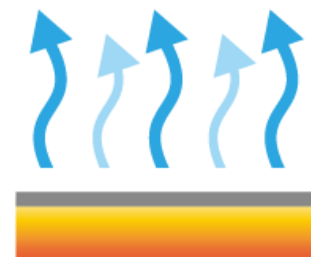# RUGGED DOMINATION. DURABOOK INNOVATION.

**MIL-STD 810G**
Certified by independent third-parties of MIL-STD and IP ratings.

Leading rugged design to increase productivity and efficiency for any conditions.

**6 ft drop**
Survived drop tests, rigorous vibration and impact protection tests.

Best thermal solution for continuous work in mission-critical situations.

Experience peak performance in extreme temperatures, whether in freezing cold or extreme hot temperatures.

**12    3s²**
**Mg**
**Magnesium**
**24.305**

Designed from the ground up with high-performance materials for full protection.

**DURABOOK**

## DURABOOK S14I LAPTOP WITH IN-VEHICLE DOCK MEETS THE NEEDS OF PUBLIC SAFETY PROFESSIONALS

*Cost-Effective Semi-Rugged Unit Offers Best-in-Class Computing Power,*
*Incredible Storage Capability, Maximum Connectivity, and Enhanced Security.*

Durabook, the global rugged mobile solutions brand owned by Twinhead International Corporation, provides a much needed in-vehicle solution for public safety with its recently revamped powerful, semi-rugged S14I laptop that integrates with Precision Mounting Technologies (PMT), a subsidiary of Gamber Johnson, vehicle docks. The unit's advanced design and innovation provide these agencies with best-in-class computing power, incredible storage capability, maximum connectivity, and enhanced security.

The S14I in-vehicle laptop is the computing solution that public safety professionals on the front lines can rely on – engineered to improve efficiency in the field with paperless documentation, real-time reporting, applications, communications, mapping, and more. The S14I delivers the features today's professionals need, along with instant access to the department's network, databases, and the real-time intelligence needed to keep communities safe.

"We are committed to the men and women in law enforcement, fire, and EMS, who put their lives on the line for us each and every day," declared Twinhead CEO Fred Kao. "The Durabook S14I laptop with a vehicle dock is built rugged, provides high reliability and high performance, and is a value-driven total solution assuring these modern warriors of the ultimate mobile computing experience. We are proud to make it available to them now and pledge to do so for years to come."

*Most Rugged Computer in its Class*

Built with a robust mechanical design and rigorously tested components, the Durabook S14I has the distinction of being the most rugged laptop in its class. Expanding the definition of semi-rugged computing, it boasts an impressive 4' drop rating, exceeding the semi-rugged class and other standards.

It meets the MIL-STD-810H drop test, which measures the durability of equipment during load/unloading and transportation. The S14I is also the first in its class to offer an ingress protection rating of 53 (IP53), making it suitable for use in locations where rain or dust may be a regular occurrence. The device has an operational range of -4°F – 140°F allowing for use in a wide range of environments.

*Cost-Effective, Total Solution*

The Durabook S14I features an Intel® Tiger Lake 11th generation platform, using Intel's 10nm processor technology. It comes with the all-new Intel® Iris Xe graphics, which delivers transformational GPU and integrated graphics offering amazing HD video capabilities. For intensive graphic computing, it can be upgraded to an optional standalone NVIDIA GeForce® GTX1050.

The unit is equipped with the latest NVMe PCIe SSD solution, providing up to 1TB of storage, while its PCIe offers speeds 6x faster than SATA III. The S14I can accommodate two additional internal SSD SATA III drives to maximize onboard storage.

### High Reliability, High Performance

With a combination of Wi-Fi 6 AX201 and Bluetooth® V5.1, the Durabook S14I delivers ultra-high speed data-transmitting capability, ensuring that all information is instantly synchronized and sent back to the data center. Adding ultra-long battery life of 10 hours and battery swap capability to its mobile form factor, the S14I enables non-stop operation outside of the office.

Clarity is a must in public safety, and the S14I provides it with a large 14" Full HD 1080p display and proprietary DynaVue® technology. The brightness enhanced up to 1,000 nits, and special light-filtering technology provides a high contrast ratio, eliminating reflection. Its 10-point capacitive multi-touch panel with four touch modes (glove, stylus, water, finger) optimizes the unit for virtually any application.