DURABOOK

Prepared for the Unexpected

2015

Rugged Notebooks   Rugged Convertible   Rugged Tablets

DURABOOK
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CSX
Knowledge. Solutions. Success

Extreme Environment

Designed for extreme environments and "combat ready", the R8300 can operate from land to sea, from scorching deserts to freezing terrains and from stealth mission to heart of combat zone. Meet the following vigorous environments and conditions. The R8300 has the highest design quality to ensure peace of mind when operating any critical mission and task.

- **Gunfire shock**
- **Explosive Atmosphere**
- **Hazardous Shock**
- **Solar Radiation**
- **Helicopter Integrity**
- **Salt Fog**
- **Blowing Rain**
- **Blowing Dust**
- **MIL-STD 461F Level II**

Exceptional Outdoor Display

Equipped with a 13.3" TFT LCD (1024 x 768) screen with 600 nits sunlight readable resistive touch panel, the R8300 offers excellent screen viewing even under direct sunlight. Power consumption is greatly reduced and efficiency increased by enhancing contrast ratios, anti-reflection, anti-glare and polarization.

Quick Release HDD

The Quick Release HDD module allows for less than 5-second ejection of disk drive in a situation when protecting valuable data from falling into the wrong hands is top priority

Magnesium Alloy Chassis

The entire R8300 chassis is built with lightweight Magnesium Alloy, 20 times stronger than ABS plastic, offering superior resistance to external impacts, shocks and vibrations, while providing excellent thermal dispersion at the same time.

DURABOOK
Mobile Systems

R8300

13" Fully-Rugged Notebook

Trusted Performance

Capable of handling multiple tasks at the same time with Intel® Core™ i7 mobile processor, the R8300 optimizes performance for all kinds of data processing and video streaming.

intel CORE i7 inside

Long Battery Life with Fast Charge

Powered by High-Capacity, 9-cell Smart Battery Pack of up to 8 hours. The R8300 can be quick-charged up to 90% of the capacity within merely 3 hours.

Hot Swappable Second Battery

The optional 6-Cell Second Battery further extends the battery power to 12 hours. The second battery can be easily removed and hot-swapped in no time without interrupting computing tasks.

*Second battery is mutually exclusive with Optical Disk Drive

Secured Dual Battery Lock

The Secured Dual Battery Lock prevents the battery from disengaging during vigorous vibration like Gunfire Shock or operating in helicopter and ensures trouble-free operating in any mission critical tasks.

Communication

The R8300 is equipped with all types of communication devices for seamless connectivity to WWAN, WLAN, LAN, Bluetooth and GPS. The built-in Ultra High Performance antennas ensure uninterrupted exchange of mission critical information under any environment and condition.

Security

The R8300 is equipped with highly secured Trusted Platform Module (TPM) chip, to prevent uncontrolled access. It also incorporates multiple security technologies such as biometric fingerprint scanner, anti-theft, and user authentication for maximum security.

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Mobile Systems

S15H

15.6" High-Performance Rugged Laptop

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Rugged Design

The S15H is designed and tested to withstand wide temperature fluctuations, vibration and a 2.5-ft drop while remaining working in any tough environment. This rugged laptop is also equipped with a spill-proof keyboard to avoid any accidental liquid damage while working.

15.6" Full HD LCD Display

The 15.6" Full HD (1920 x 1080) Display offers a sensational visual experience while displaying more viewing content with finer details.

Optical Drive Lock

The Optical Drive Lock secures the disk in place and prevents any kind of accidental ejection during drops or when undergoing and ensures the integrity of the disk and data.

Superior Communication

With 4G LTE, Wi-Fi and Bluetooth 4.0 communication, the S15H a seamless wireless connectivity during critical missions at amazing speeds. The built-in GPS provides accurate location tracking and geographic overview.

High-Performance Intel Haswell Platform

The S15H features the latest 4th Generation Intel® Core™ Processor for better, faster and more responsive performance. With an intelligent power management technology. The S15H is able to provide stronger performance while maintaining power efficiency.

Magnesium Alloy Casing

The S15H chassis is built with lightweight Magnesium Alloy, 20 times stronger than ABS plastic, offering superior resistance to external impacts, shocks and vibrations, while providing excellent thermal dispersion at the same time.

HDMI

The S15H comes with a HDMI interface for High Definition digital video and audio output, were traditional VGA and audio out cables are replaced for faster and easier connection.

Longer Battery Life

The 9-cell Smart Battery Pack provides an enduring 7.5 hours of uptime, giving the user the freedom to have a whole day of operation outside the office and focus on important tasks out in the field.

Trusted Platform Module

With system operation running unimpeded, the S15H is equipped with quality Trusted Platform Management (TPM) chip and is protected against unauthorized software modification and data theft from stolen systems or systems that have been improperly decommissioned.

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Robust Features

- IP53 for dust/water resistance
- MIL-STD 810G protection against vibration, drop and shock
- Operating temperature: -20°C - 50°C (with extended temperature mSATA)
- Storage temperature: -40°C - 71°C
- Operating humidity: 5% - 95%
- Magnesium alloy chassis

Backlit Keyboard

Optional waterproof backlit keyboard for ease of operation in low light conditions.

Display Feature

14" HD Widescreen Display

The SA14 is equipped with a 14inch TFT LCD (1366 x 768) Display with Anti-Glare Coated Glass for exceptional visual performance.

Sunlight Readable Display

With circular polarizer, anti-reflective coating and enhanced 500nits brightness. The SA14 provides excellent LCD Display even in ultra-bright, direct sunlight.
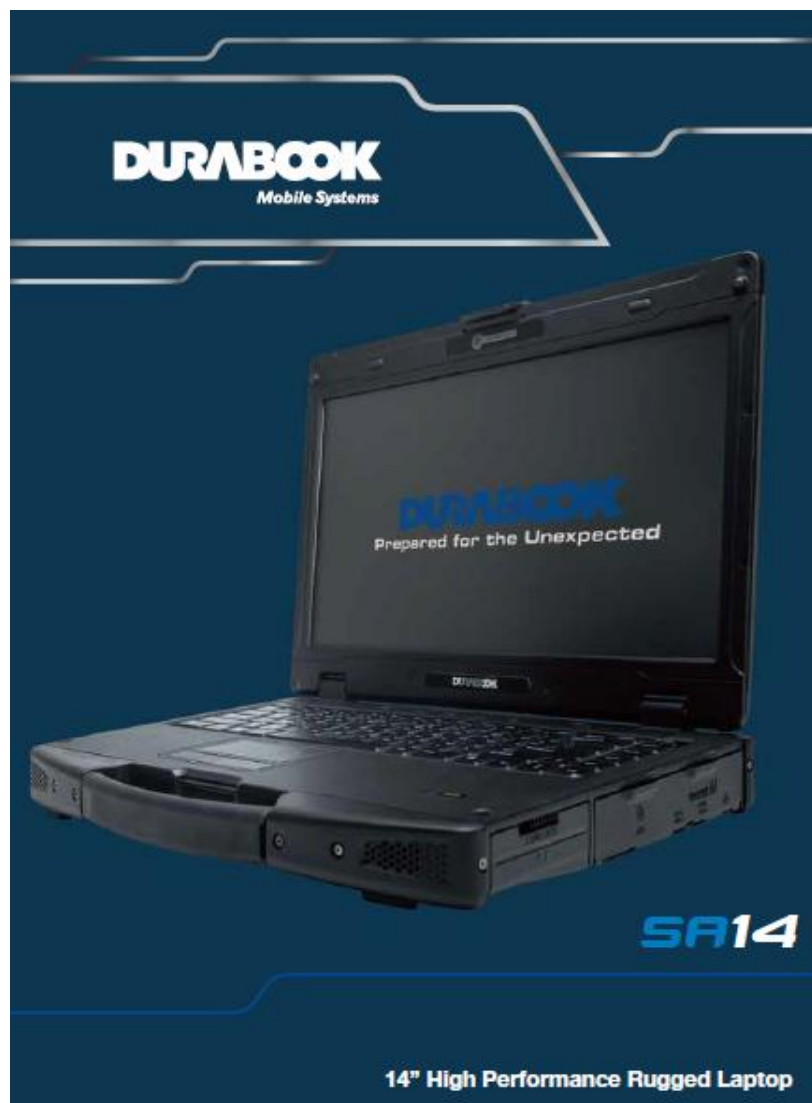
Night Vision Mode

Night Vision Mode is a standard when equipped with Sunlight Readable LCD. The Night Vision Mode complies with NVIS Type I Class A requirements for brightness and chromaticity.

Stealth Mode

With a quick press of a button, Stealth Mode immediately turns off all sound and light emitting, while all programs remain running in the background

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SA14

14" High Performance Rugged Laptop

Multi-Function Bay 1 - High Performance Graphics Processing Unit

With demand for higher graphics performance, the SA14 offers superior 35W ADM Radeon E6760 GPU with GDDR5 for unmatched graphics performance in a rugged laptop. The Multi-Function Bay comes with the option of switching between using ADM Radeon E6760 GPU or Optical Disk Drive.

Multi-Function Bay 2 - Hot Swappable Second Battery

The SA14 is designed with an optinal 6-cell battery that runs for more than 12 hours when paired with the primary 9-cell battery. The two battery packs enable the Hot-Swappable feature and further extends the operating hours. The second 6-cell battery is compatible with mSATA storage device. When using the 6-cell battery, the standard 2.5" SATA HDD is replaced by the mSATA storage device.

Advanced Security and Management Technologies

- Intel® vPro™
- Computrace® Ready
- Biometric Fingerprint Scanner
- Smart Card Reader
- TPM1.2

DURABOOK QSC

DURABOOK Quick Setting Control

Provides One-Key quick setting to all of you most frequent used functions:

- System Information
- On/Off for WLAN, WWAN, Bluetooth and GPS
- Programmable button setting
- Indicator for BIOS/EC version
- Stealth Mode / Night Vision Mode setting

Wireless Connectivity

- Ultrafast LTE Module
- Intel® Centrino® Advanced-N 6235 Wi-Fi (WLAN 802.11 a/b/g/n)
- Bluetooth 4.0
- WWAN Gobi 300
- Global Positioning System (GPS)

DURABOOK
Mobile Systems

U12Ci

12.1" Rugged Convertible Laptop

Design
Light Weight and Versatile Convertible Notebook
The U12Ci is designed with innovative features and compliant with following features:
- MIL-STD 810G drop protection from 4 feet (120cm) height
- MIL-STD 810G and ASTM D4169-08 protection against vibration
- Spill-proof LCD, keyboard, touchpad and buttons
- Operating Temperature: -20°C - 50°C
- I/O Dust Cover
- Shock Resistant HDD Mounting
- Magnesium Alloy Chassis

LCD Display
Convertible LCD
The U12Ci is designed with a convertible swivel LCD screen for the convenience to work under notebook mode with keyboard, or tablet mode operation.
Resistive Touch Screen
The Resistive touch panel accommodates gloved-finger, bare finger and stylus.
Sunlight Readable Display
With circular polarizer, anti-reflective coating and enhanced brightness LED backlight. The U12Ci provides superior sunlight readability and optimizing the battery life.
Digitizer
Provides the ability to make precise sketches or sign e-documents directly onto the screen.
Dual-Touch
The U12Ci Dual-Touch detects Active Stylus or other inputs and automatically switches between digitizer and resistive touch mode.

User Friendly Features
Modular I/O Port Bays
Quick interchangeable I/O modules give the U12Ci the flexibility and versatility to accommodate various devices for a wide range of applications.

Quick Release HDD
Optional quick release HDD mechanism allows the hard disc drive to be retrieved under 5 seconds in

Superior Connectivity
- Intel® Centrino® Wireless-N 130 Wi-Fi (WLAN 802.11 b/g/n)
- Bluetooth 4.0 Class 1,
- WWAN Gobi 3000, 3G with GPS

High Performance
With a Intel® 3rd generation Core i5-3337U dual-core Ivy Bridge processor, the U12i offers breakthrough performance and increases power efficiency for longer battery life.

Advanced Security Technologies
Stealth Mode
One-Click Stealth Mode disables all emitting light and sound.
Smart Card Reader
The unique secured ID verification tool protects sensitive data and provides different levels of secure access through Smart Card identification.
Integrated Fingerprint Scanner
Biometric fingerprint scanner offers protection against unauthorized access to your computer and can also be used for password protected applications and websites for quick access.
Computrace® Ready
BIOS integrated Computrace® theft protection offers further security options against theft.
TPM1.2
Trusted Platform Module v1.2 security defends against Hard Drive removal data breach.

Long Battery Life with Hot-Swappable feature
Optional secondary hot-swappable Li-ion battery pack provides additional 5 hours of battery life and up to 10 hours of non-stop operation with both primary and secondary batteries.

Quick Setting Control (QSC)
Offers One-Key quick setting to all of your most frequently used functions:
- On/Off/Airplane Mode for WLAN, Bluetooth WWAN and GPS
- Programmable Buttons Setup
- Battery Charge Cycle Information

Rugged Design
Working Without Hassle under any Condition
The CA10 is designed for mobile workers which are on the move through various work locations.

- MIL-STD 810G protection against vibration, drop and shock
- Operating temperature: 0°C - 45°C
- Operating humidity: 5% - 95%
- Internal Magnesium Alloy Frame

Sealed For Water & Ingress Protection
The CA10's entire chassis is designed to have a ingress protection of up to IP43.

LCD Display
Resistive Multi-Touch Screen
The CA10 uses high sensitive resistive touch technology for effortless touch. The resistive touch screen accommodates gloved-finger operations.
Sunlight Readable Display
With enhanced brightness up to 500 nits, polarized LCD glass and anti-reflection coating. The CA10 LCD can display clear images under any sunlight condition.

Digitizer
An input device that provides the ability to make precise sketches or sign e-documents directly onto the screen
Ambient Light Sensor
Automatically adjusts LCD brightness according to the surrounding light conditions.

Payment Terminal Solution
The CA10 offers several solutions for payment terminal. With factory options of Smart Card Reader, PIN Pad and Magnetic Stripe Reader. The CA10 is the most versatile mobile payment terminal on the market.

Data Collection
Barcode Scanner
Optional integrated barcode scanner support 1D/2D barcode reading. The barcode scanner is embedded at 45 degree pitch/skew in an ergonomic design when using Tablet PC to scan barcodes at any reachable height. Special trigger button, designed with max comfort, allows users to quickly scan the barcodes and avoids pressing the wrong button to dramatically increase scanning efficiency.
RFID Reader
Complies to ISO 15693, 14443 A/B standards.
5MP CMOS Camera with Flashlight
In addition to the standard 1.3MP front camera. The CA10 offers auto-focus 5MP rear camera with flashlight, supporting Geo Tagging in EXIF or JPEG file format.

No Power Downtime
Standard High-capacity 5200mAh batteries allow users to operate the CA10 up to 9hrs with a single charge. The hot-swappable batteries offer continuous usage without downtime.

Quick Setting Control (QSC)
DURABOOK Quick Setting Control Provides One-Key quick setting to all of you most frequent used functions:
- System Information
- On/Off/Airplane Mode for WLAN, WWAN, Bluetooth and GPS
- On/Off for Barcode Scanner, RFID, Magnetic Strip Reader
- Volume adjustment
- Programmable button setting
- Soft Keyboard

Superior Connectivity
- Intel® Centrino® Wireless-N 135 Wi-Fi (WLAN 802.11 b/g/n)
- Bluetooth 4.0 EDR Class 1
- WWAN Gobi 3000 with GPS
- LTE Module

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Mobile Systems

R11

11.6" Lightest and Thinnest Fully Rugged Tablet

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The **R11** redefines what a rugged tablet PC shall be. While being ultra-thin and lightweight, it meets all the environmental requirements. Equipped with the latest 4th generation Intel® Core™ Processor and provides a battery life up to 7 hours. The R11 is ideal for field operatives of all sectors.

Design
Rugged Revolution - Thin, Light and Strong
The R11 is rugged mobility at it's finest. Its ultra-thin and lightweight exterior measures only 20mm in height and 1.2kg in weight.
Sporting such an ultra compact form factor, the R11 manages to fully meets IP65, 4 feet drop and MIL-STD 810G for vibration. It offers complete protection against the harsh environment field workers face and minimize burden on their bodies during long hours of work.

LCD Display
11.6" Widescreen Display with Sunlight Readable Solution
- Sunlight Readable Display (Brightness: 730 nits)
- Capacitive Multi-Touch Screen
- Optional Digitizer for High Brightness Display

Superior Wireless Connectivity
- Supports 4G LTE
- Supports GPS
- Intel Wireless AC7260 (802.11 a/b/g/n/AC)
- Bluetooth 4.0 Class 1

High Speed and Efficiency for the Most Demanding Tasks
- 4th Generation Intel® Core™ Processor
- Windows 8.1

Integrated Options for Various Applications
Data Collection
- 1D / 2D Barcode Scanner
- 5MP Auto Focus Camera with LED Flash Light
- NFC / RFID (External Module)
Payment Terminal Solution
- Magnetic Strip Reader / Smart Card Reader (External Module)

Ports
- 2x USB 3.0
- 1x Headphone out jack / Mic-in Combo jack
- 1x Docking Connector
- 1x Expansion Connector for Expansion Modules
- 2x RF pass-through connectors for WWAN & GPS

Expansion Slots
- 1x Micro SD card slot support SDHC & SDXC
- 1x SIM card slot for WWAN data communication

Camera
- 2MP Front Facing Camera
- Optional 5MP Rear Camera with auto focus and 1500mcd LED flashlight

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Robust Design
Surviving Even the Harshest Conditions
Designed with magnesium alloy chassis, the T7Q is equipped with robust design to carry out superior performance in the most demanding environments.

- IP65
- MIL-STD 810G drop protection from 5 feet (152 cm) height
- MIL-STD 810G and ASTM D4 169-08 protection against vibration
- MIL-STD 810G Salt Fog
- MIL-STD 810G Temperature Shock
- MIL-STD 810G Operating in high altitude
- Operating temperature: -20°C - 55°C
- Tempered LCD Glass

LCD Display
Resistive Touch Screen
The 7" WSVGA TFT LCD with resistive touch panel accommodates gloved-finger, bare finger and stylus operations.

Ambient Light Sensor
Automatically adjusts LCD brightness according to the surrounding light conditions, to provide the best LCD visibility and enhance battery efficiency.

Digitizer
An input device that provides the ability to make precise sketches or sign e-documents directly onto the screen

Sunlight Readable Display
With circular polarizer, anti-reflective coating and enhanced 500 nits brightness, the T7Q provides exceptional LCD display under bright sunlight.

Data Collection Capability
Barcode Scanner
The integrated 1D/2D Barcode Scanner is an optional feature, supporting angle between 38.9° (Horizontal) and 25.4° (Vertical). Best in class rate-up to 60 scan/s (2D) and 200 scans/s (1D).

RFID Reader
Complies to ISO 15693, 14443 A/B standards.

5MP Camera with Flash Light
Integrated 5MP camera with flash, captures high resolution images even under dim lights and supports Geo-tagging feature when used with integrated GPS option

Ultra Long Battery Life
Standard High-capacity 5200mAh batteries allow users to operate the T7Q up to 10-12hrs with a single charge. The hot-swappable batteries offer continuous usage without downtime.

Quick Setting Control (QSC)
DURABOOK Quick Setting Control
Provides One-Key quick setting to all of you most frequent used functions:
- System Information
- On/Off/Airplane Mode for WLAN, WWAN, Bluetooth and GPS
- On/Off for Barcode Scanner, RFID.
- On/Off for Auto-Rotate screen function
- Adjustment on LCD brightness, screen orientation, volume, external display, data synchronization and wireless network
- Programmable button setting
- Soft Keyboard

Superior Connectivity
- Intel® Centrino® Wireless-N 6235 Wi-Fi (WLAN 802.11 a/b/g/n)
- Bluetooth 4.0 EDR
- WWAN Gobi 3000
- LTE Module
- Global Positional System (GPS)

Unbeatable Performance 10.4"
Fully-Rugged Tablet PC

The **TA10** is one of the most robust Fully Rugged Tablet PC's. Designed to withstand the harshest environment without compromising the computing power and with Super-High Capacity Battery, that provides up to 12 hours of working time in a single charge.

Robust Design

- IP65 for dust/water resistance
- MIL-STD 810G drop protection from 5 feet (152 cm) height
- MIL-STD 810G and ASTM D4 169-08 protection against vibration
- MIL-STD 810G Salt Fog
- MIL-STD 810G Temperature Shock
- MIL-STD 810G Operating in high altitude
- Operating temperature: -20°C - 60°C
- Operating Humidity: 5% - 95%
- I/O Hard Covers
- Aluminum Magnesium Alloy Chassis

LCD Display

Sunlight Readable Display
With circular polarizer, anti-reflective coating and enhanced 700 nits brightness, the TA10 provides exceptional LCD display under bright sunlight.

Resistive Touch Screen
Accommodates gloved-finger, bare finger and stylus input.

Digitizer
The optional Digitizer provides the ability to make precise sketches or sign e-documents directly onto the screen. When equipped with Digitizer, the TA10's Dual Touch automatically enables.

Ambient Light Sensor
Automatically adjusts LCD brightness according to the surrounding light conditions.

Night Vision
Complies with Night Vision Mode complies with Night Vision Imaging System (NVIS) Type I Class A

Quick Setting Control (QSC)
DURABOOK Quick Setting Control
Provides One-Key quick setting to all of you most frequent used functions:
- System Information
- On/Off/Airplane Mode for WLAN, WWAN, Bluetooth and GPS
- On/Off for Barcode Scanner, RFID.
- On/Off for Auto-Rotate screen function
- Programmable button setting
- Stealth Mode
- Night Vision Mode setting
- Display brightness and volume adjustment
- Auto switch button to external WWAN antenna

Super High Capacity Battery
Super-High Capacity dual battery packs provide up to 12 hours of ultra-long battery life in a single charge. Hot Swappable function further extends the power, providing the possibility of unlimited battery life.

Superior Wireless Connectivity
- Advanced LTE Module
- Intel® Centrino® Advanced-N 6235 Wi-Fi (WLAN 802.11 a/b/g/n)
- Bluetooth 4.0 Class 1
- WWAN Gobi 3000
- Global Positional System (GPS)

Data Collection Capability
RFID Reader
Complies to ISO 15693, 14443 A/B standards.

5MP CMOS Camera with Flashlight
With the 1.3MP from camera as standard, the TA10 offers an optional 5MP auto-focus camera with LED flashlight, supporting Geo Tagging in EXIF or JPEG file format.

Barcode Scanner
The integrated 1D/2D Barcode Scanner is an optional feature, supporting angle between 38.9° (Horizontal) and 25.4° (Vertical).

Advanced Security and Management Technologies
- Intel® vPro™
- Computrace® Ready
- Fingerprint Scanner, FIPS certified
- Smart Card Reader
- TPM 1.2
- Stealth Mode

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Tough Enough for the Real World