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MD116

MD116

Information and Documentation Assistant for EMS

IP54 | 3-foot Drop Resistant | Dual SCRs | TAG RFID | Dual LTE | Swap | eMARK | EN/UL 60601-1

Ready for Extreme Environments

Medical & Vehicle Regulatory Compliance

- EN / UL 60601-1 certified for safe use in medical environments.
- eMark certified for radiated emissions control and ambulance use.

Medical + Ambulance

Dual Certificates

Sunlight Readable

- Sunlight readable 1200 nits display.

Robust Chassis Design

- Magnesium alloy chassis with elastomer edge designed to withstand three-foot drop.
- Tough scratch-resistant Gorilla Glass touchscreen.
- Sealed chassis design is IP54 compliant.

Intelligent Cooling System

- Fanless tablet w/o ventilation holes provides passive cooling.
- The vehicle docking station includes a built-in intelligent cooling system that automatically detects excessive temperatures. If the MD116 and battery packs begin to overheat, the cooling system will automatically engage to ensure the MD116 and battery packs are quickly cooled to a safe operating temperature.

Partnering with medDV

German-based company medDV, a comprehensive hardware and software solutions provider for emergency medical services (EMS) to industry sectors that include mobile rescue teams, dispatch centers and hospitals, has designated Onyx's MD116 mobile medical assistant tablet as its hardware platform of choice for their proprietary EMS software solution due to its superior design and functional capabilities.

With rugged features, a high brightness LCD and high performance CPU, the MD116 can be operated in harsh environments while delivering superb performance and a crystal clear image. Together with medDV software, the MD116 helps eliminate medical paperwork by automating EMS and hospital workflows allowing paramedics and nurses to instantly access and document patient records.

Since 2003, medDV has continually built on its experience, expertise, and in-depth technological know-how working in EMS to become a leading provider of integrated solutions, as well as being the first provider of comprehensive EMS solutions in Germany.

Throughout 2017, medDV will be promoting the combination of the MD116 and their EMS software to the international market as a fully integrated mobile emergency information and documentation assistant that optimizes EMS processes for communicating, collecting, and documenting patient information on the go.

Advanced Notification

Intuitive Operation

Simplified Accounting

Contact Information

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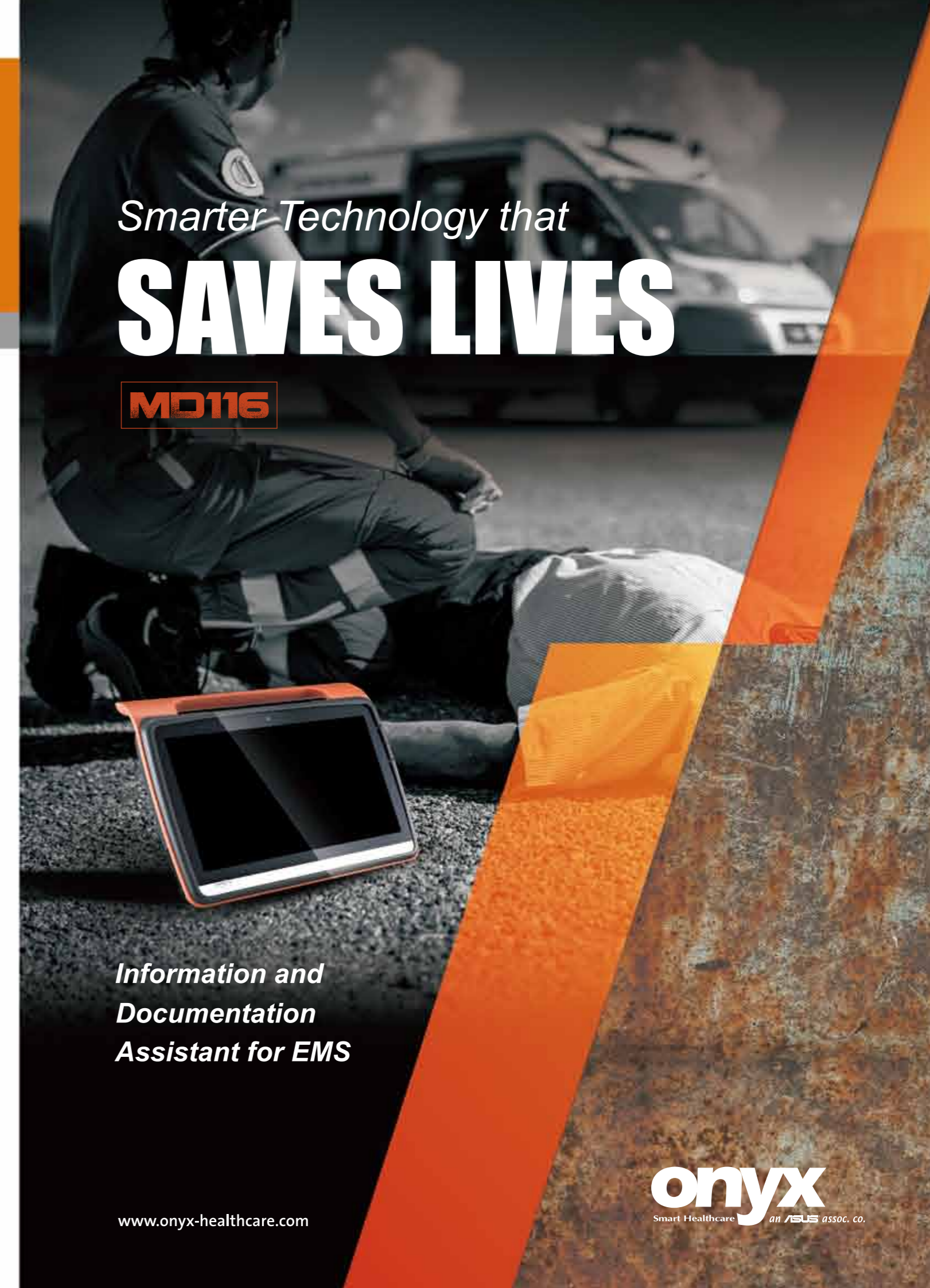
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Smarter Technology that
SAVES LIVES

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Inspired by Paramedics - Designed for EMS

One-Handed Operation

The MD116 can be easily docked and released by one hand with our patented vehicle docking system.
The system includes an easy-clamp locking mechanism that safely secures the tablet in place.
The tablet can be quickly and easily unlocked and removed from the dock by pressing the locking clamp,
and carried to the scene.

Designed for Acute-Care

Dual Smart Card Readers free up paramedics from frequently exchanging ID
cards so they can focus more on acute patient care. In addition to automated
patient vital sign data collection, the MD116 also integrates a high resolution
camera for documenting wounds, and barcode scanning.

Easy-Grip Handle

The handle's ergonomic design makes the MD116 easy to
hold while the elastomer coating prevents the tablet from
slipping out of your hands.

Emergency Medical Assistant

Emergency services worldwide are facing increased pressures to improve response time and provide better quality patient care while EMS budgets decline. In the past few years, delays in ambulance crew handover times have increased more than fifty percent. EMS providers are now are looking for innovative ways to maintain a high quality of service with lower cost. The Onyx MD116 EMS tablet is designed to help emergency service providers improve the patient handover process with a lower total cost of ownership by integrating an intuitive documentation tool for Electronic Patient Care Reporting (ePCR) and an automated wireless data exchange mechanism as a turnkey solution.

Registration

Operation Data

Alert

Capacity

4G

Vital Sign Data

Vital sign data and treatment options can be automatically retrieved from defibrillators and ventilators and written into ePCR via Bluetooth without paper transcription, increasing efficiency and reducing errors

Security Handshake

MD116 built-in RFID & Tag support provides secure proximity handshake ability with various common defibrillator/ventilators without the need to key in passwords.

Medical Devices

MD116

Integrated Surveillance Devices

Wearable Camera	Docking Station

Integrated Documentation Tools

A4 Thermal Printer	Car Mounting Kit	A4 Paper Roll

Integrated EMS Medical Devices

Respirator	Monitor+Defibrillator	Defibrillator
Medumat Transport by Weinmann	Corpuls 3 by GS	LifePak 15 by Physio Control

Hospitals

- Faster, more efficient and better medical care for emergency patients with the appropriate team and medical devices
- Gaining comprehensive insights with the patient pre-registration option, for example: vital parameters, trends, rest-ECGs, photos, etc.
- Standardization of processes with customized solutions such as "Stroke Angel" and "Cardio Angel"
- Process optimization with potential for cost reduction
- Improved communication between hospital and ambulance crew

Superior Wireless Connectivity

Dual LTE Modules

Built-in dual LTE support doubles MD116 bandwidth to
ensure a stable data connection and zero data loss.

Proprietary Antenna Design

RF antennas are built into the handle to overcome shielding issues
from the magnesium alloy chassis, increasing RF performance.

Continuous and Reliable Power Supply

Dual Hot-Swappable Batteries

- Dual hot-swappable batteries are compact, lightweight and easy to change.
- Batteries can be charged in as little as two hours.
- LED indicators show the exact power level on each battery pack in real time.

Spare Battery Packs

- Two spare battery packs are included in the vehicle dock and are always fully charged for quick and easy swapping at any time.
- The vehicle dock supports a wide DC-in power range (12-19 V) to suit different output voltages from an automobile's electrical system.

STREAMLINED EPCR DATA FLOW

Dispatch Centers

- Fast, secure and complete data communication between dispatch center and ambulance crew
- Merging dispatch center data with mobile rescue teams
- Easy documentation, billing and archiving of operations
- Comprehensive analysis of all operation data immediately after a mission is completed
- Effortless data collection and communication, with a significant reduction of errors

Mobile Rescue Teams

- Clear and accurate takeover of operations from the dispatch center
- Easy, fast and complete documentation of operations presented clearly and legibly
- Simplified patient delivery to the admitting hospital and convenient reporting for the dispatch center
- Standardization and hence, acceleration of processes and procedures for the ambulance crew
- Integration of many medical devices

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