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MERC

MOBILE EMERGENCY RESPONSE COMMAND



The Comdex Mobile Emergency Response Command Unit (MERC / EAGLE-1) provides a complete, powerful, compact, and transportable solution for programs that support the most demanding applications in the real-world of harsh environments for First Responders.

With the latest in Pentium® class processors, the Comdex MERC Unit manages computer-intensive applications easily, such as VOIP Communication, the Wi-Fi connectivity, Cellular connectivity, GIS, digital mapping, and weather systems. Complete with a wide range of advanced multimedia, graphics systems, and a flat panel display, the Comdex MERC Unit is the high-end field deployable server solution for mission critical First Responder requirements. This top-rated Comdex MERC Unit provides system flexibility and expansion based upon user requirements and unique mission needs. The compact and transportable design features a fold-down keyboard with an elongated wrist rest, providing end-users with an efficient, ergonomic work environment that can be set up with live uplinks within 60 seconds and taken down nearly a quickly.

The Comdex MERC Unit is fully qualified to meet a wide range of environmental and field requirements. This performer is an affordable program, a must have product in any real world harsh environments.

MERC

MOBILE EMERGENCY RESPONSE COMMAND

FEATURES

- Fully deployable in just seconds
- Integrated CPU, flat panel display, and keyboard/trackball
- High resolution LCD display
- Lightweight (configuration dependent)
- Equip with the latest Pentium class processors
- System flexibility and expansion

PROCESSOR SPECIFICATIONS

- Top-rated performer for harsh environments
- Dual processor (2.0 GHz or better)
- One (1.2) TB storage
- Flat Panel Server monitor
- Case mounted keyboard
- Pointing device (mouse/touch pad)

COMMUNICATIONS/INTERFACES

- 12 RJ45 ports for computer connections
- Uplink interface
- 3 RJ 11 for fax, STU/STE
- 4 SMA antenna connections for Wireless Access Points
- Headphone jack
- Cellular Island supporting GSM phones
- Radio Interoperability IP Interface (12 Radios)

- Microphone jack
- S Video "in" port
- USB connections
- DVD/CD access slot db9 Serial for monitor, and projector
- Satellite uplink supporting Iridium, R-BGAN, BGAN, VSAT, Globalstar and GT&T
- Secure Crypto (Type 1, AES)

NETWORK SPECIFICATION

- Gig-Ethernet
- Components DISA STIGs standards (e.g., for VoIP, Wireless)
- Anticipated loading: 50 users simultaneously accessing separate voice and data connections
- The gateway device should be able to be switched in or out of the system
- Wired and wireless (802.11g) network connections for in excess of 50 mobile devices
- VTC (point-to-point and multipoint) conferencing

ELECTRICAL

- AC: 110 +/-10%, 220VAC +/-10%VAC, 47-63Hz
- Operating temperature, above 40oC instantaneous
- Humidity: 10% to 95% (non-condensing)
- RTCA/DO-160D, 95% at 50oC
- Waterproof: operate in conditions of blown precipitation and spillage falling water due to condensation
- Fungus: no nutrients/contaminants

7U RACK DIAGRAM



AVAILABLE APPLICATIONS FOR EMERGENCY RESPONSE

- Patient Tracking and Notification
- Credentialing - Identification
- Secure "On-Scene" Temp ID Badges
- Scheduling and Resource Management
- Mass Casualty Response/Triage
- Evacuee Tracking

- Asset Management
- Training Records Management
- Facility Module (building diagrams)
- Inventory Management
- Secure Inter-Agency Data Exchange
- VTC / Streaming Video-On-Demand

MIL-STD COMPLIANCE

- TADLP Block III
- MIL-STD-147
- MIL-STD-810F
- Joint Technical Architecture-Army (JTA-A)

OPTIONS

- Mobile PDA / Handheld Computers
- VOIP Handsets
- Secure Phone
- Secure Video
- Flightcell noise cancelling audio unit
- Biometric Solutions