戰術區域通信系統實體模擬器

Improved Mobile Subscriber Equipment Simulator

全系統功能

戰術區域通信系統實體模擬器提供高高效能、高擬真度、低成本、易維護、可同時執行單機獨立操作或以連線模式執行鏈路建立演練之模擬訓練系統。

General Description:

Improved Mobile Subscriber Equipment Simulators are efficiency and high-fidelity simulation system that is low cost and requires minimum maintenance. The system can provide the simulation training for single CCTS/CCES operation or data link combat maneuver through the network.

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Improved Mobile Subscriber Equipment Simulator

分系統功能簡介　*Description of Sub-system*

主計算機

具分時(Time Sharing)、多人多工(MultiUser, MultiTask)及多處理器(SMP/ENUMA)等功能，滿足模擬通信系統即時程式管理能力。

- 2 個3.2GHz雙CPU運算電腦。
- 1.0GB記憶體。
- 120GB硬碟。
- 雙Giga Bit網路功能。
- Windows XP作業系統。

HOST

Host Computer - With time sharing, multi-user/multi-task functions and able to manage the real time programs of the simulation system.

- Dual Core 3.2GHz CPU
- 1 GB Memory
- 120GB Hard Disk
- Dual Giga Bit Network function
- Windows XP operation system

輸出入界面

提供模擬器系統間之類比及數位訊號的傳輸與轉換等功能。

- 工業級界面電腦。
- 工業級I/O控制介面卡。
- Compact PCI 延伸槽。
- Compact PCI/ PCI/ DMA 元件界面資料傳輸。

I/O Control System

I/O System-Data transfer and communication between analog and digital signals

- Industrial PC with I/O controllers
- Compact PCI extend available
- Compact PCI/PCI/DMA fiber interface data transmition

模擬車廂

提供液晶螢幕與高逼真度之交換機車廂空間與車廂內元件配置及功能之模擬環境。

- 仿實車玻璃之鋁合金結構模擬車廂。
- 車廂具開關與控制儀。
- 仿真製造之內部元件，反應真實中之屬性與功能。

Simulated Cockpit

Switch Cockpit System-provide communication students the realistic operation environment

- Aluminum alloy cabin with simulated switch cockpit structure
- High technology with cabin shape
- High-fidelity control panel in cabinet

教官台

提供教官執行模擬器系統功能操控、訓練課程控制與系統狀態監控等功能。

- CPU 3.2GHz 教官台操作、地理圖顯示、狀態數據電腦。
- 中文操作顯示畫面。
- 模擬系統操作、功能設定、監控。

Instructor Operation Station

Instructor Operation Station-provide the instructor.

- CPU 3.2 GHz computer, providing training control, GIS and system status display.
- Chinese user interface.
- System control, training setup, crew monitoring.

音效通訊

提供模擬系統所需之音效及通訊功能。

- 工業級音效及通訊電腦。
- 音效模擬模組。
- 交換機模擬模組。

Sound and Graphic System

Sound and Communication System-provide the sound and communication function

- Industrial PC for simulation of Sound and communication
- Sound simulation module
- Switch simulation module