Hytera

Respond & Achieve

Hytera Professional Unified Communication Gateway

- Inter-system voice communication
- Wired and Wireless Connection
- Versatile Interface

Hytera

www.hytera.com

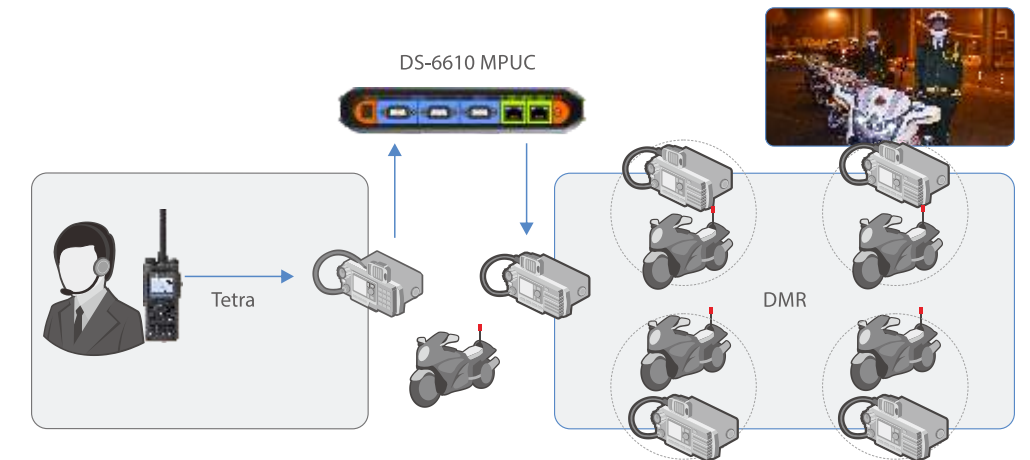Connect different facilities,
networks and technology.

Applications
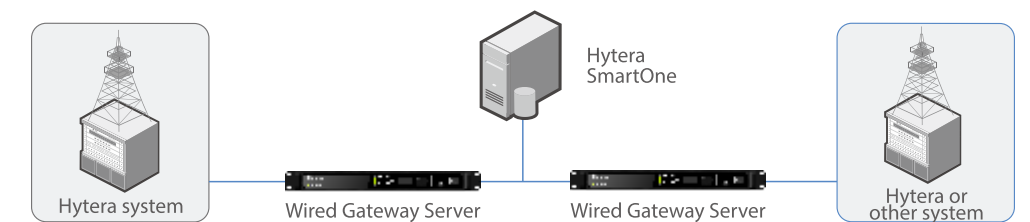### Wireless inter-connection application

This solution uses a gateway to connect different network's mobile radios to make inter-system communications.

Typical case: There are two departments, one has a DMR network, and the other a Tetra network. In certain circumstances the two departments need to communicate and the command centre needs to dispatch both. Hytera SmartOne solution enables the installation of two mobile radios and one gateway in the emergency vehicle to help users communicate between systems.
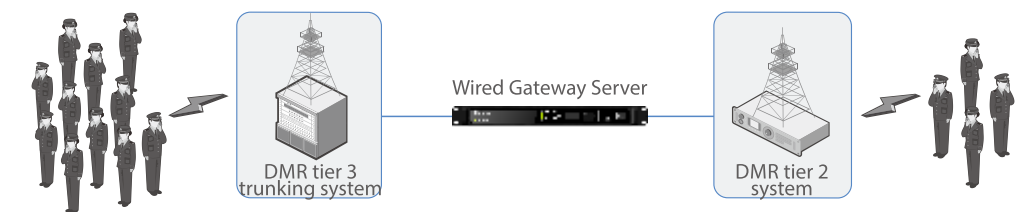
DS-6610 MPUC

Tetra

DMR

Wired inter-connection application

This solution uses a PMR manufacturer's system CSSI (Console Subsystem Interface) or ISSI (Inter Subsystem Interface) interface to connect to the Hytera SmartOne system, to achieve inter-system communication.

Hytera
SmartOne

Hytera system — Wired Gateway Server — Wired Gateway Server — Hytera or other system

Typical case: The Urban area adopts a DMR Trunking system, while the suburbs adopt DMR Tier 2. Via Hytera SmartOne, the two systems can be connected seamlessly; terminals can roam between these two systems and be contacted via a common dispatcher.

Wired Gateway Server

DMR tier 3 trunking system

DMR tier 2 system

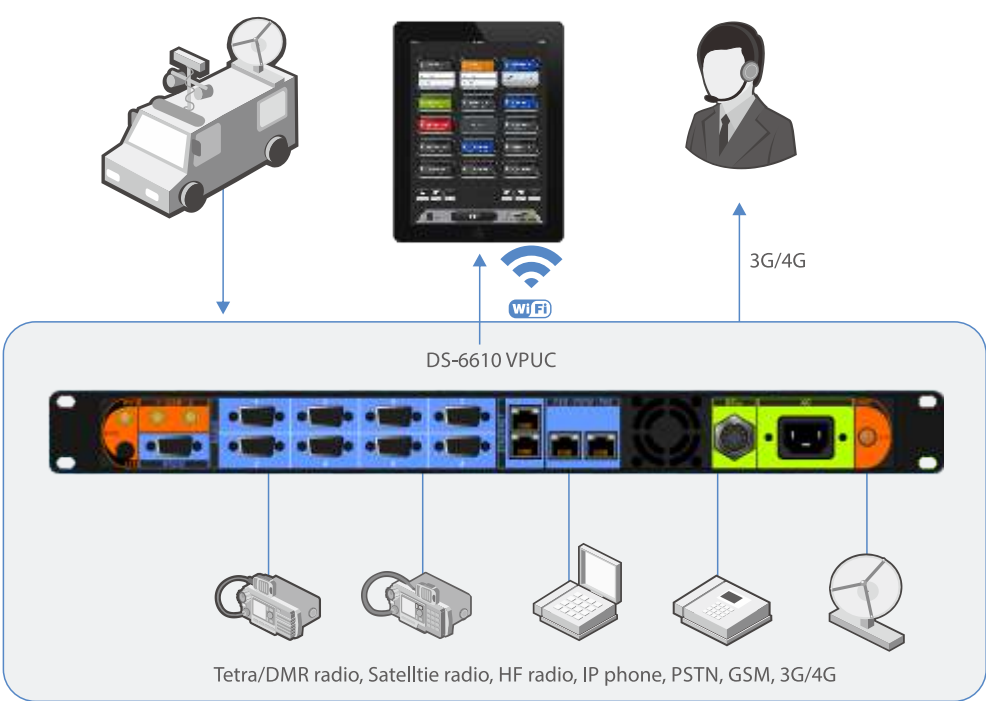### Features for Hytera DMR Tier 2 and Tier 3 Interconnection
- One number for one terminal in both networks
- Roaming in conventional and trunking networks
- Individual call and message, group call and message
- Inter-system E2EE
- No need to re-codec for inter-system call

Mobile Inter-connection

Hytera DS-6610 VPUC supports car-mounted installations, which makes mobile inter-connection and dispatching possible.
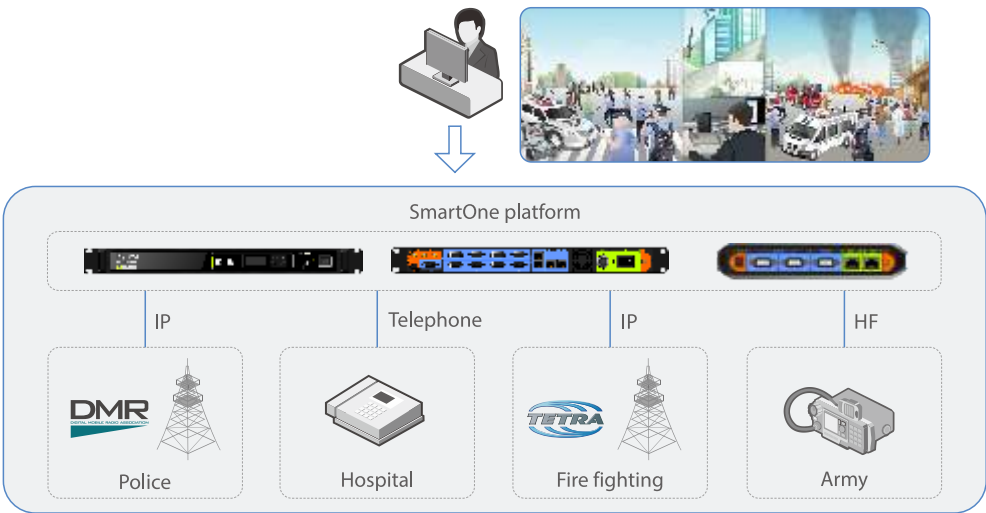
Typical Case: DS-6610 VPUC is intended as a fast deployment on-site command center which achieves intercommunication among different devices. With multiple interfaces and powerful processing   services, the DS-6610 VPUC can achieve inter-department cooperation and enable real-time   communication between the onsite command center and headquarters.

3G/4G

WiFi

DS-6610 VPUC

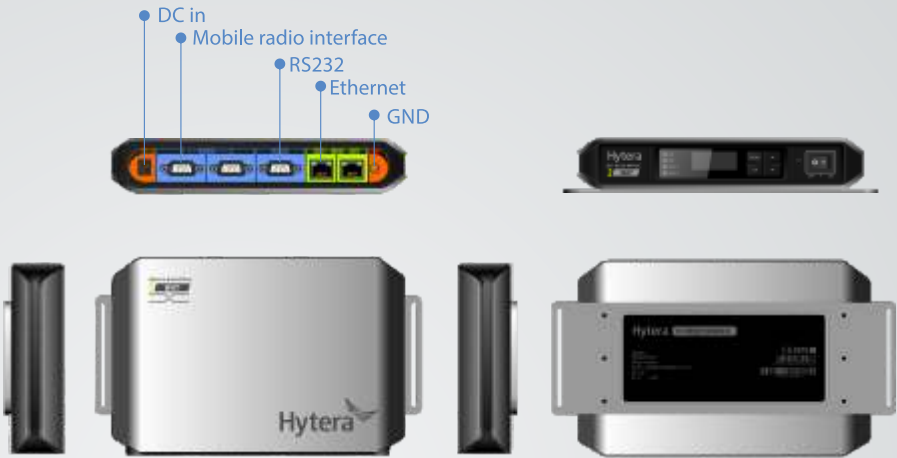Tetra/DMR radio, Satelltie radio, HF radio, IP phone, PSTN, GSM, 3G/4G

Unified Inter-department Dispatching

By connecting different networks together into Hytera SmartOne, the dispatcher based on this platform can easily achieve unified dispatching for all network users.

Typical Case: To handle a major emergency, multiple departments operating in various systems like DMR Trunking, TETRA or the PSTN Network, may be dispatched. With Hytera SmartOne, communications and dispatching among these departments can be achieved.

SmartOne platform

| IP | Telephone | IP | HF |

DMR — Police
Hospital
TETRA — Fire fighting
Army

Product Specification

DS-6610 MPUC

- DC in
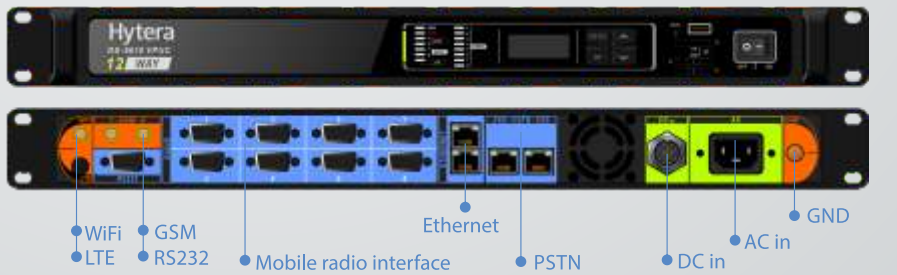- Mobile radio interface
- RS232
- Ethernet
- GND

Specification

2 way access: 2 mobile radio interface
Ethernet interface: 2 X RJ45, 100/1000M Base-T

Power supply: 11V~15V DC, 1.5A
Operating temperature: 0ºC to 40ºC
Storage temperature: -10ºC to 60ºC

Humidity: 10% ~ 90%

Weight: 0.9Kg

Dimension(mm): 225(W)x138(D)x40(H)

Certificate: FCC, CE

Power Consumption: 9W

DS-6610 VPUC

- WiFi
- LTE
- GSM
- RS232
- Mobile radio interface
- Ethernet
- PSTN
- DC in
- AC in
- GND

Specification

12 way access: 8 mobile radio interface; 2 PSTN(1 FXO and 1 FXS); 2 GSM
Supports Wifi AP/ Supports LTE data transmission
Ethernet interface: 2 X RJ45, 100/1000M Base-T

Power supply: DC input: 11V~15V DC, 1.5A; AC input: 100 ~ 240VAC, 50 ~ 60Hz
Operating temperature: -20ºC to 60ºC

Storage temperature: -20ºC to 60ºC

Humidity: 10% ~ 90%

Weight: 5.4Kg

Dimension(mm): 440(W)x337(D)x43.6(H)

Certificate: FCC, CE

Power Consumption: 19W

SmartOne connect function			
Features	Wired gateway		Wireless gateway
	DMR, MPT, Tetra, XPT	Hytera DMR Tier 2 & Hytera DMR Tier 3	
Group call	√	√	√
Group message	√	√	√
Individual call		√	
Individual mesasge		√	
E2EE		√	