



Keeping Communications Alive

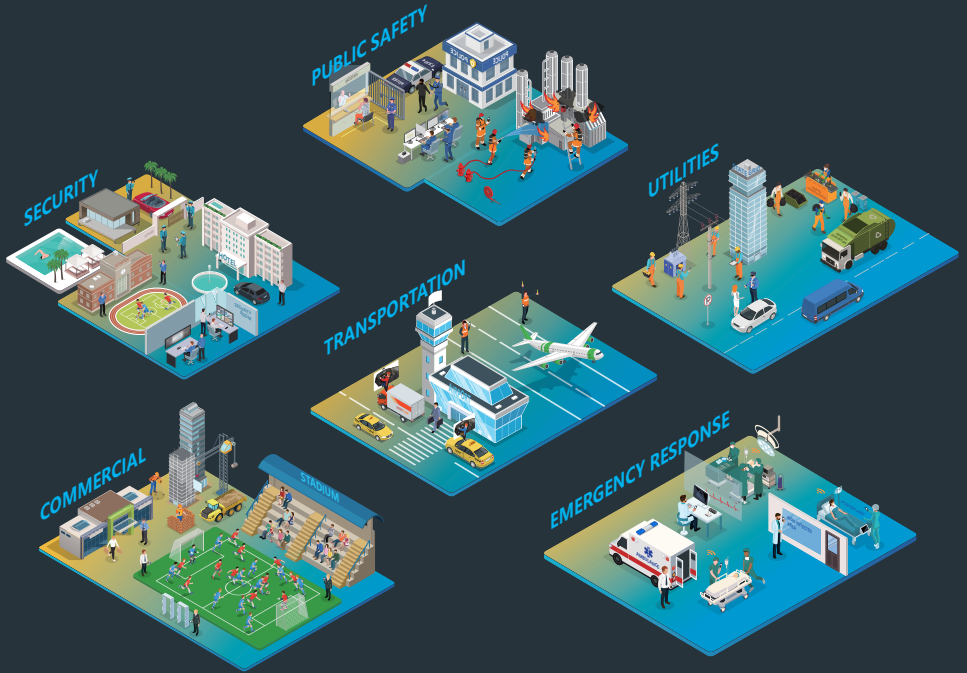
Critical Commz is a dispatcher communication system that focus on core services with high-efficiency and real-time audio and video communication, and converge with 3rd party system such as PMR network, PSTN/SIP network, CCTV and audio/video conference,etc. Moreover, Critical Commz adopts AI technology to provide assistant decision-making to become a powerful unified and comprehensive dispatcher system.

Composition

The Critical Commz system composition includes: management platform, dispatch console, convergent system, industrial expansion, and Push-to-Talk APP.



Industries

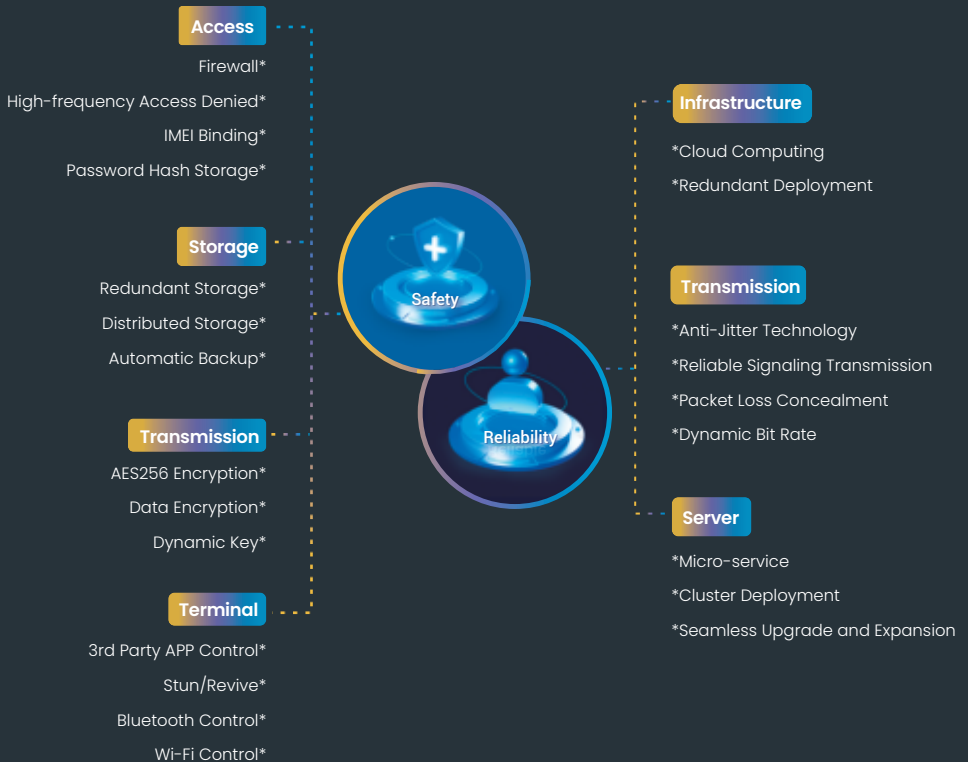


Functions

Category	Features	Category	Features
Video Services	Video Call	Message Services	Private Message/Group Message /Broadcast Message/Status Message /Message Upload
	Video Upload		Text/Image/Emotion/Voice /Video
	Video Monitor		Patrol Result/Report/Log
	CCTV		Patrol Point/Patrol Area /Patrol Plan
	Video Distribution		Report to Email
	Video Recording		DMR/PDT Gateway
Audio Services	Authority Control (Stun/Revive/ Bluetooth Control/Wi-Fi Control)	Patrol Management	TETRA Gateway
	Private Call/Group Call/ Broadcast Call/All Call		Edge AI Gateway
	Priority	Convergent Gateway	PSTN/SIP Gateway
	Group Patch		CCTV Video Gateway
	Multi-group Monitor		
	SOS/Mandown/ Lone Worker		
	Voice Recording		

Category	Features	Category	Features
Map Services	Real-time Tracking	Expansion Application	AES256 Encryption
	History Track		Job Tickets
	Circle to Call		AI Analysis
	Geo-fencing/ Fence Group		Rent Management
	Indoor Positioning		Audio Conference
Telephone Services	Full-deplex Call (Voice/Video)		Video Conference
	Interrupt/Override/Forwarding/Queue		IoT Mangement
	Join to Talk Group		Big Data

Advantages



Architecture

Application

Command & Control Center Police AI Analysis System Surveillance System Visual Command System Major Security System Access Control System

Platform

AI Platform Converged Communication Platform Converged Data Platform Converged Video Platform

Network

LTE 3G/4G/5G Network Satellite Ad Hoc Network DMR/PDT/TETRA Network SIP Network

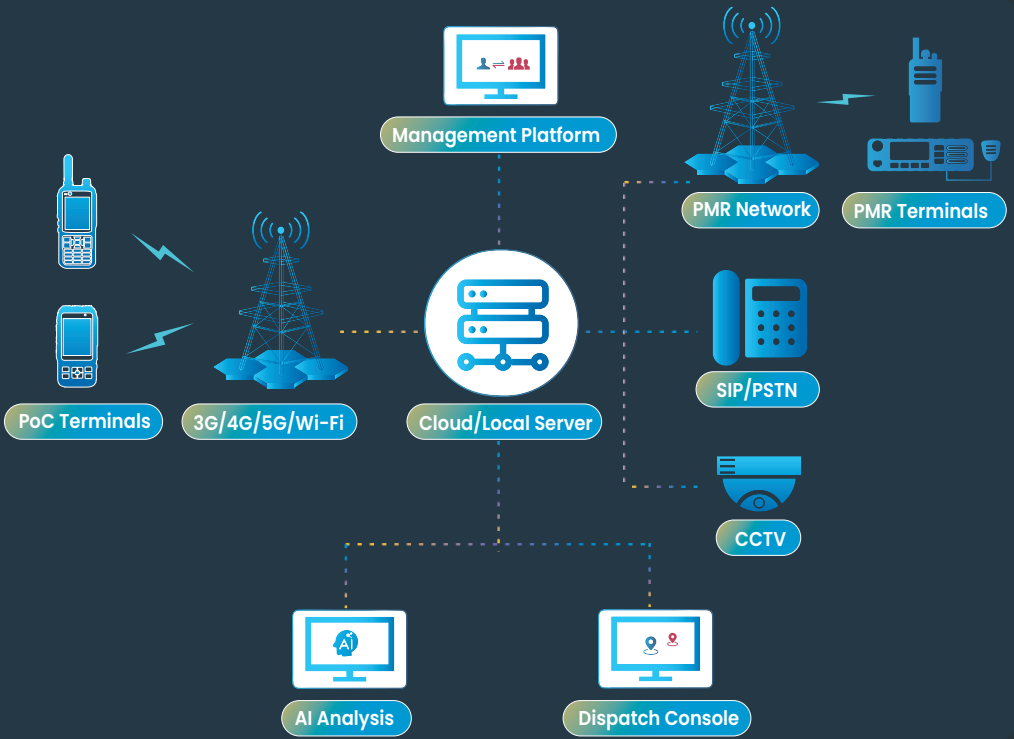
Terminal

Edge IoT Gateway Edge AI Gateway PoC Radios DMR/PDT/TETRA PSTN/SIP Phone UAV Access Control

Awareness

WSN Sensing Device Various Sensors RFID Video Capture Device

Topology



Specification

Category	Function	Capacity	Remark
General Information	Length of Account (Byte)	64	-
	Length of Password (Byte)	32	-
	Length of Name (Byte)	50	Includes group name, user name, organization name, etc.
	Length of Storage Path (Byte)	128	Includes image storage, video storage, record storage, etc.
	Length of IMEI Number (Byte)	20	-
	Length of Remark (Byte)	256	-
	Message Length (Byte)	1,024	Includes text message and broadcast message.

Category	Function	Capacity	Remark
Organization	Departments per Organization	256	-
	Levels	10	Enterprise is the first level, 9 additional sub-departments can created only.
Agent Management	Sub-agent	50	50 sub-agents can be created by each agent maximum.
	Agent Level	10	-
Group Management	Groups per Server	8,999	Group ID range is from 1,000 to 9,999.
	Groups of CATI User	32	Total members of groups is 500.
	Groups of Linux User	50	Total members of each group is 2,000.
	Groups of Android User	300	Total members of each group is 2,000.
	Members per Enterprise	4,000	-
	Members per Temporary Call	50	-
	Groups per Enterprise	500	-
Video Service	Video Display per Dispatcher (Channel)	16	-
	Bandwidth Required of 1080P (Mbps)	4	Storage capacity 1.8GB per hour.
	Bandwidth Required of 720P (Mbps)	2	Storage capacity 0.9GB per hour.
Geo-fencing	Vertices per Polygon	80	-
	Members per Geo-fencing	2,000	-
	Members per Fence Group	2,000	-
	Geo-fencing per Enterprise	256	-
Patrol Management	Patrol Point per Area	1,024	-
	Patrol Area per Enterprise	256	-
	Patrol Plan per Enterprise	512	-
	Patrol Plans per Person	50	-
	NFC Tags of Batch Addition per Batch	128	The oldest one will be covered when adding more than 128.
Job Tickets	Maximum Capacity of Each Video (MB)	100	-
	Upload Images per Event	50	-
	Upload Videos per Event	16	-
	Maximum On-duty Task per Person	50	-



- PoC & Video Surveillance Convergent Solutions
- PoC & Access Control Convergent Solutions
- PoC & PMR Network Convergent Solutions
- PoC & Alarm Linkage Convergent Solutions
- PoC & IP PBX Network Convergent Solutions
- PoC & IoT Application Convergent Solutions



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