


# Ambulance IT Component Plan

Ambulance IT Component Plan		"MAIN" RADIO SYSTEM			PORTABLE RADIOS	GENERAL PURPOSE DATA SYSTEM			
		(APX7500)			(APX6000)	(TCP/IP)			
MOUNTING LOCATION	Roof	700/800 antenna	VHF-Hi antenna	GPS antenna			5:1 antenna Cell-2/WiFi-2/GPS-1		
		^ ==RG58== v	^ ==RG58== v	^ ==RG58== v			^ ==Cisco== v		
	Electrical/IT cabinet <sup>1</sup>	MAIN TRANSCEIVER					CISCO ROUTER		
		^ =====HKN6168== v					^ ==CAT6== v	^ =====CAT6== v	
	Cab console <sup>2</sup>	Control head & mic 1				Chargers	MDT	^ =====CAT6== v	
		^ =====power== v						^ =====power== v	
		Speaker 1							
POWER SOURCE	Payload module comms panel <sup>3</sup>	Control head & mic 2						Smart lock	
		^ =====power== v						^ =====power== v	
		Speaker 2							
	OrigEM IGNition circuit								
	OrigEM ACCessories circuit	•	•	•					
	CustomEM Master circuit								
	Voltage-sensing delay timer circuit (ACDC Industries MZL-180)				•		•	•	•
OrigEM unswitched BATTery circuit									
Shoreline circuit									

## HOW TO READ THIS CHART

 indicates a "brain box" with complex electronics and connectors for antennas or user interface components

<==> indicates a cable run (antenna, power, or signal, as appropriate)

● indicates a power stud or tap

## NOTES

<sup>1</sup> Mount the voltage-sensing delay timer (ACDC Industries MZL-180) within or near the Electrical/IT cabinet.

<sup>2</sup> Although none of the components shown are required to take power from the cab console, we recommend providing 12V positive (+) studs on the IGN, ACC, and MZL-180 circuits, and a ground (-) stud.

<sup>3</sup> If a 3<sup>rd</sup> control head & mic combo is specified, it should duplicate what is shown here for Control head & mic 2.