

2500 IP Command Center and Distribution Modules

IP Command Center Two-Way Communication (Area of Refuge)



Manages emergency calls for up to 128 call boxes.

- Voice Over IP (VoIP) provides clear network or internet communication.
- Ideal for larger buildings and/or facilities with upgraded IP phone systems or buildings unable to support traditional hardwired system.
- Uses existing LAN or dedicated networks to reduce cabling.
- Supports off-site calling and intercom-only operation.
- Built-in call queuing allows multiple call boxes to share a single phone line.
- Scalable to include Sub-Master Stations, machine room phones, and elevator emergency phones on one system.



Product Specifications

	IP Command Center Surface Mount (Main and Submaster)	IP Command Center Flush Mount (Main and Submaster)	IP Command Center Desk Mount (Main and Submaster)	Distribution Modules
Mounting	Surface / Wall Mount	Flush Mount / In Wall	Desk or Wall Mount	Wall or Rack Mount
Dimensions	Zones 10, 16: 15.14" H x 12" W x 6.19" D Zones 32 - 128: 21.03" H x 20.3" W x 5.19" D	Zones 10, 16: Front Frame: 16.06" H x 14" W x 3.07" D Back Box: 15.64" H x 12" W x 3" D Zones 32 - 128: Front Frame: 21.13" H x 25" W x 3.06" D Back Box: 20.66" H x 23" W x 3" D	9.72" L x 7.20" H x 1.69" D (without stand)	0-48 Zone System: 2.04" H x 17.28" W x 11.8" D 64-128 Zone System: 6.83" H x 17.18" W x 8.9" D
Weight	Zones 10, 16: 16.10 lbs Zones 32 - 128: 34.9 lbs	Zones 10, 16: 21.10 lbs Zones 32 - 128: 39 lbs	Zones 10, 16: 1.78 lbs Zones 32 - 128: 2.43 lbs	0 - 48 Zone System: 5.55 lbs 64 - 128 Zone System: 12.30 lbs
Enclosure	Powder-Coated Steel with twist lock closure	Powder-Coated Steel with twist lock closure	Plastic	10 - 48 Zone System: Plastic 64 - 128 Zone System: Powder-Coated Steel
Maximum Number of Call Boxes	1-128 (a system can facilitate call boxes up to the quantity of zones)			NA
Wiring Requirements	Command Center to Distribution Module: Single pair 22 AWG/ 24 AWG or via IP (POE IP model available upon request)			To IP call boxes (with PoE 802.3af) connect via ethernet connection)
Maximum Wiring Distances	Ethernet cable 300 ft ,6,200 ft. for 22 AWG and 3,900 ft. for 24 AWG.			Ethernet cable 300 ft. ,6,200 ft for 22 AWG and 3,900 ft. for 24 AWG.
Power Source	Powered from distribution module or PoE			120 VAC power with battery backup or RATH Power Supply with battery backup

Compatible with the Following: RATH IP Command Center range



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AVIRE

N56 W24720 N. Corporate Circle Sussex, WI 53089
800-451-1460 | sales.us@avire-global.com
avire-global.com/en-us

General Specifications

Passive Monitoring Communication	Audible alert: when phones place a call until command center or submaster picks up LED Solid: Emergency Call Active
Communication Options <i>*Ring-down style phone lines are not supported</i>	IP Intercom system or an IP phone line when used with an IP interface or single analog phone line from POTS, PBX or central office Or digital phone line, Cellular gateway or VoIP gateway (this must be converted to analog and cable of supporting modem modulated devices before connecting)
Phone Line Requirements	Phone Line Voltage: On-hook 24 VDC to 70 VDC (nominally 48V DC) Phone Line Voltage: Off-hook 8 VDC to 20 VDC (nominally 14 VDC) Operating Loop Current Range: 18 mA to 55 mA (20 mA typical) Dialing: DTMF (Dual Tone Multi-Frequency) Frequency Response: 550 Hz to 3400 Hz, +/- 3 db Ring Sensitivity: 30 VAC to 120 VAC RMS Operational Loop Impedance: 600 ohms Open-Loop Disconnect Signal: @ 500m/s
Environmental	32°F to 113°F
Warranty	2 years
Code Compliance	NFPA 72, IBC/ICC, ADA

		Main Part Numbers	Submaster Part Numbers (Standard Hardwired Phone)	Submaster Part Numbers (POE Phone)
IP Command Center Surface Mount	Zone 10	2500-10RCV	2500-10BV	2500-10BVIP
	Zone 16	2500-16RCV	2500-16BV	2500-16BVIP
	Zone 32	2500-32RCV	2500-16BV	2500-32BVIP
	Zone 48	2500-48RCV	2500-48BV	2500-48BVIP
	Zone 64	2500-64RCV	2500-64BV	2500-64BVIP
	Zone 80	2500-80XRCV	2500-80XBV	2500-80XBVIP
	Zone 96	2500-96XRCV	2500-96XBV	2500-96XBVIP
	Zone 112	2500-112XRCV	2500-112XBV	2500-112XBVIP
	Zone 128	2500-128XRCV	2500-128XBV	2500-128XBVIP
IP Command Center Flush Mount	Zone 10	2500-10RCFV	2500-10FV	2500-10FVIP
	Zone 16	2500-16RCFV	2500-16FV	2500-16FVIP
	Zone 32	2500-32RCFV	2500-32FV	2500-32FVIP
	Zone 48	2500-48RCFV	2500-48FV	2500-48FVIP
	Zone 64	2500-64RCFV	2500-64FV	2500-64FVIP
	Zone 80	2500-80XRCFV	2500-80XFV	2500-80XFVIP
	Zone 96	2500-96XRCFV	2500-96XFV	2500-96XFVIP
	Zone 112	2500-112XRCFV	2500-112XFV	2500-112XFVIP
	Zone 128	2500-128XRCFV	2500-128XFV	2500-128XFVIP
IP Command Center Desk Mount	Zone 10	2500-10NCV	NA	2500-10DVIP
	Zone 16	2500-16NCV	NA	2500-16DVIP
	Zone 32	2500-32NCV	NA	2500-32DVIP
	Zone 48	2500-48NCV	NA	2500-48DVIP
	Zone 64	2500-64NCV	NA	2500-64DVIP
	Zone 80	2500-80XNCV	NA	2500-80XDVIP
	Zone 96	2500-96XNCV	NA	2500-96XDVIP
	Zone 112	2500-112XNCV	NA	2500-112XDVIP
	Zone 128	2500-128XNCV	NA	2500-128XDVIP

