

Option 3 Conventional Digital System

Note	Requirements / Criterias	Application In :
<p>Medium to large installation with multiple microphones of different priorities to be connected.</p> <p>Microphone points are connected to System with RS485 and shall be decoded via Zone Decoder/Selector for zone selection. It shall reduce cabling cost for multizone selection as well as reducing noise during paging</p>	<p>Medium cost</p> <p>Zone up to 250 zones</p> <p>Single or multiple connected buildings</p> <p>Single of multiple paging stations with priority</p> <p>Auto voice announcements facility</p> <p>Single audio type : interrupted / uninterrupted systems</p> <p>Comply to Fire Codes</p> <ul style="list-style-type: none"> <li>- Interface with fire alarm panel</li> <li>- EVAC voice messaging</li> <li>- Emergency paging override</li> <li>- Amplifier changeover</li> <li>- Speaker line monitoring</li> <li>- Back up power supply</li> </ul>	<p>Factories,</p> <p>Mixed development complex</p> <p>Universities, colleges, schools</p> <p>Offices</p> <p>Hotels</p>

Equipment List

Item	Equipment Model						Selection Note
Paging microphone	PD1240	PD1280	PD1900	PD2400	PD2800	PD1160	Select number of zones and physical preference
Emergency paging microphone	EP1200						Mandatory
Music Source	CD1001	MP1020					Optional
Weekly programme timer	PT1801						Optional
EVAC audio	MR1301						Mandatory
Chime / tone generator	CM1400						Optional
Fire alarm interface	FI6000						Subjected to requirement
Pre-amplifier mixer	MX2222	MX2322					Select which is required
Power amplifier	PA Series	QP Series					Select according to power requirement and model
Amplifier changeover	AX3800	AC3801					AX3800 is preferred
Amplifier monitor panel	AM4120						Optional but preferred
Line monitoring	LS4808	LS4816					Optional to different region
Speaker zone decoder	TD6240		TD6080	TD6400			Select which is required
Speaker zone selector	ZS5601	ZS5121	ZS5062	ZS5122	ZS5602		Select to number of zones required ( if TD6240 used)
24V regulated power supply	PS9400						Ensure power is adequate to power all equipment
Battery charger	BC9740						Mandatory unless line UPS is used
Battery bank							Calculate AH capacity for whole system
Volume controller	VC7000	VC8000	VR7600				Select according to power requirement and model
Local patch panel	VP7501						Optional according to system requirement

Speaker types according to choice

Sample schematic drawings available

Drawing Descriptions	Drawing Reference	Application Example
Interrupted paging system	pa - conv-digital 1	Office, factories, hypermarket, mosques, schools
Uninterrupted paging system	pa - conv-digital 2	Office, factories, hypermarket
System with local override	pa - conv-digital 3	Hypermarket, hotels with dining, hospital
System with racks linked ( with fiber )	pa - conv-digital 4	Mixed developments, office towers, offices