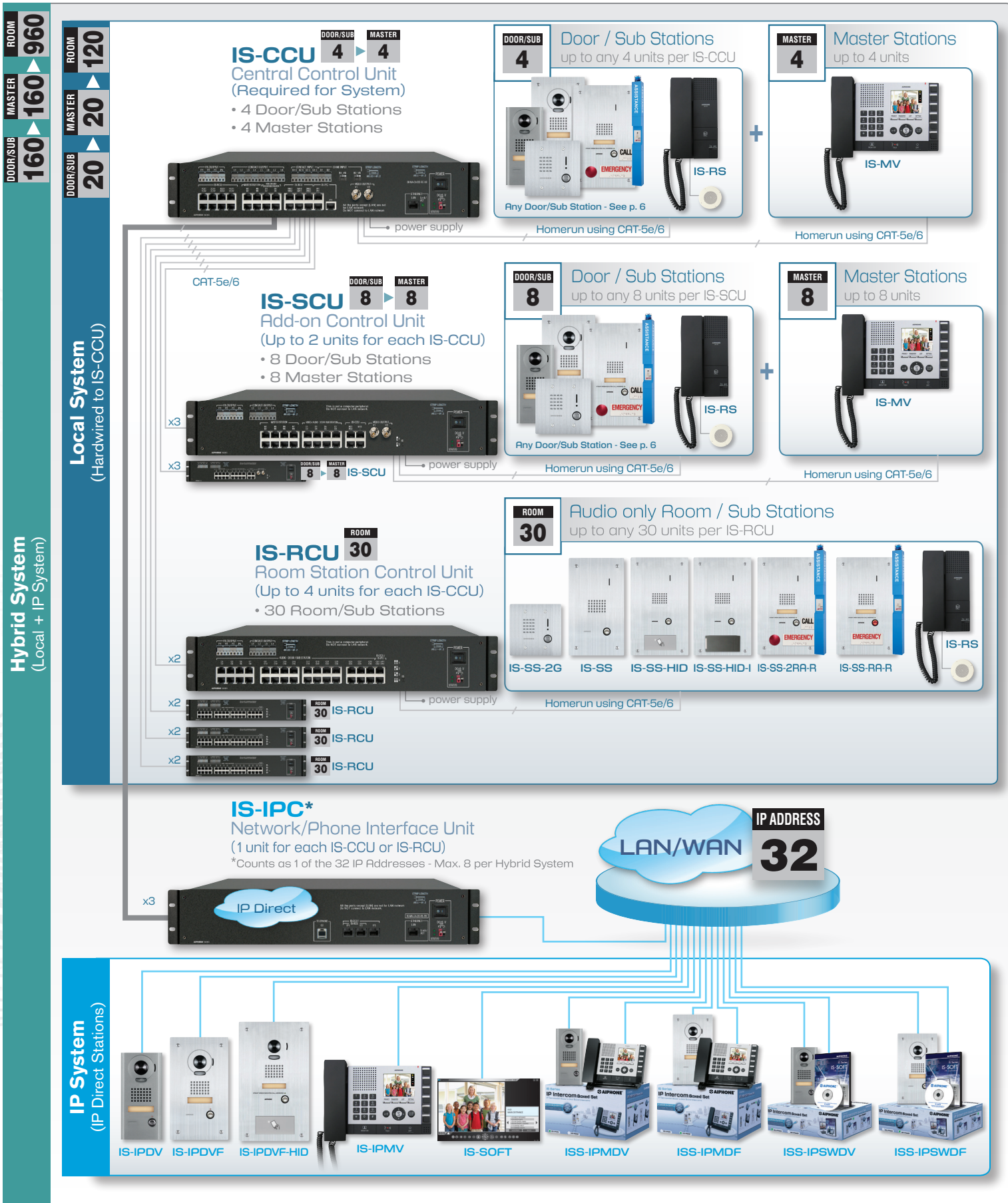# IS Series Sample System Layout

Diagram is for illustrative purposes only. System wiring may vary by installation. Refer to instructions for actual installation directions.

Hybrid System (Local + IP System)

Local System (Hardwired to IS-CCU)

ROOM	960
MASTER	160
DOOR/SUB	160

ROOM	120
MASTER	20
DOOR/SUB	20

IS-CCU
Central Control Unit
(Required for System)
- 4 Door/Sub Stations
- 4 Master Stations

DOOR/SUB **4** ▶ MASTER **4**

Door / Sub Stations
up to any 4 units per IS-CCU

DOOR/SUB **4**

IS-RS

Any Door/Sub Station - See p. 6

Homerun using CAT-5e/6

Master Stations
up to 4 units

MASTER **4**

IS-MV

Homerun using CAT-5e/6

CAT-5e/6

power supply

IS-SCU
Add-on Control Unit
(Up to 2 units for each IS-CCU)
- 8 Door/Sub Stations
- 8 Master Stations

DOOR/SUB **8** ▶ MASTER **8**

x3

x3   DOOR/SUB **8** ▶ MASTER **8** IS-SCU

Door / Sub Stations
up to any 8 units per IS-SCU

DOOR/SUB **8**

IS-RS

Any Door/Sub Station - See p. 6

Homerun using CAT-5e/6

Master Stations
up to 8 units

MASTER **8**

IS-MV

Homerun using CAT-5e/6

power supply

IS-RCU
Room Station Control Unit
(Up to 4 units for each IS-CCU)
- 30 Room/Sub Stations

ROOM **30**

x2
x2   ROOM **30** IS-RCU
x2   ROOM **30** IS-RCU
x2   ROOM **30** IS-RCU

Audio only Room / Sub Stations
up to any 30 units per IS-RCU

ROOM **30**

IS-SS-2G | IS-SS | IS-SS-HID | IS-SS-HID-I | IS-SS-2RA-R | IS-SS-RA-R

IS-RS

power supply

Homerun using CAT-5e/6

IS-IPC*
Network/Phone Interface Unit
(1 unit for each IS-CCU or IS-RCU)
*Counts as 1 of the 32 IP Addresses - Max. 8 per Hybrid System

x3

IP Direct

LAN/WAN

IP ADDRESS **32**

IP System (IP Direct Stations)

IS-IPDV | IS-IPDVF | IS-IPDVF-HID | IS-IPMV | IS-SOFT | ISS-IPMDV | ISS-IPMDF | ISS-IPSWDV | ISS-IPSWDF

Global System
(32 Hybrid Systems + 24 IP Addresses)

DOOR/SUB	MASTER	ROOM
5,120 ▶	5,120 ▶	30,720

IS Series System Feature Chart

Application	Feature	Local System Hardwired to IS-CCU	IP System IP Direct Stations	Hybrid System Local + IP Systems
Gates and Door Entries	Distances up to 980'	✓		✓
	Distances greater than 980'		✓	✓
	Call Queueing	✓		✓
	E-mail Notification		✓	✓
	Video Out (1Vpp)	✓		✓
Parking Structures	Emergency - ADA Compliant Stations	✓		
	Sleek Emergency Wall Boxes with Beacon Light	✓		✓
	Call Forwarding to a telephone line	✓		✓
Schools	Classroom Station with Speaker Output	✓		✓
	Page/Bell Schedule Programming	✓		✓
	Multi-school Integration			✓
Offices	Paging via External Amplifier	✓		✓
	Paging Through Units	✓	✓	✓
	Internal Call Forwarding	✓	✓	✓
Multi-Building Offices	Central Station Controlled Door Entry		✓	✓
	Internal Call Forwarding	✓	✓	✓
	Multi-zone Paging via External Amplifier	✓		✓
	Bell Schedule/Shift Change Programming	✓		✓
Corporate Campuses	Emergency - ADA Compliant Stations	✓		
	Modular Emergency Towers	✓		
	Centrally Controlled Door Entry		✓	✓
Hospitals	Department Specific Door Entry		✓	✓
	After Hours Door Entry		✓	✓
	Emergency - ADA Compliant Stations	✓		

Integrating IS-IPCs with IP Direct Stations

IP Devices*	Maximum # per Local System			Total # per Global System
IS-IPC	1	4	8	256
IS-IPMV				
IS-IPDV				
IS-IPDVF	31	28	24	768
IS-IPDVF-HID				
IS-SOFT**				

* Total number of IP devices cannot exceed 32 units per Local Networked System (Local Site) and 1,024 per Global System.

Station count when only using IP Direct Stations

IP Devices*	Maximum # per Local System	Maximum # per Global System
IS-IPMV		
IS-IPDV		
IS-IPDVF	32	1,024
IS-IPDVF-HID		
IS-SOFT**		

** IS-SOFT must be paired with at least one IS Series IP hardware unit (IS-IPC on a Local Hardwired System, IS-IPMV, IS-IPDV, or IS-IPDVF)