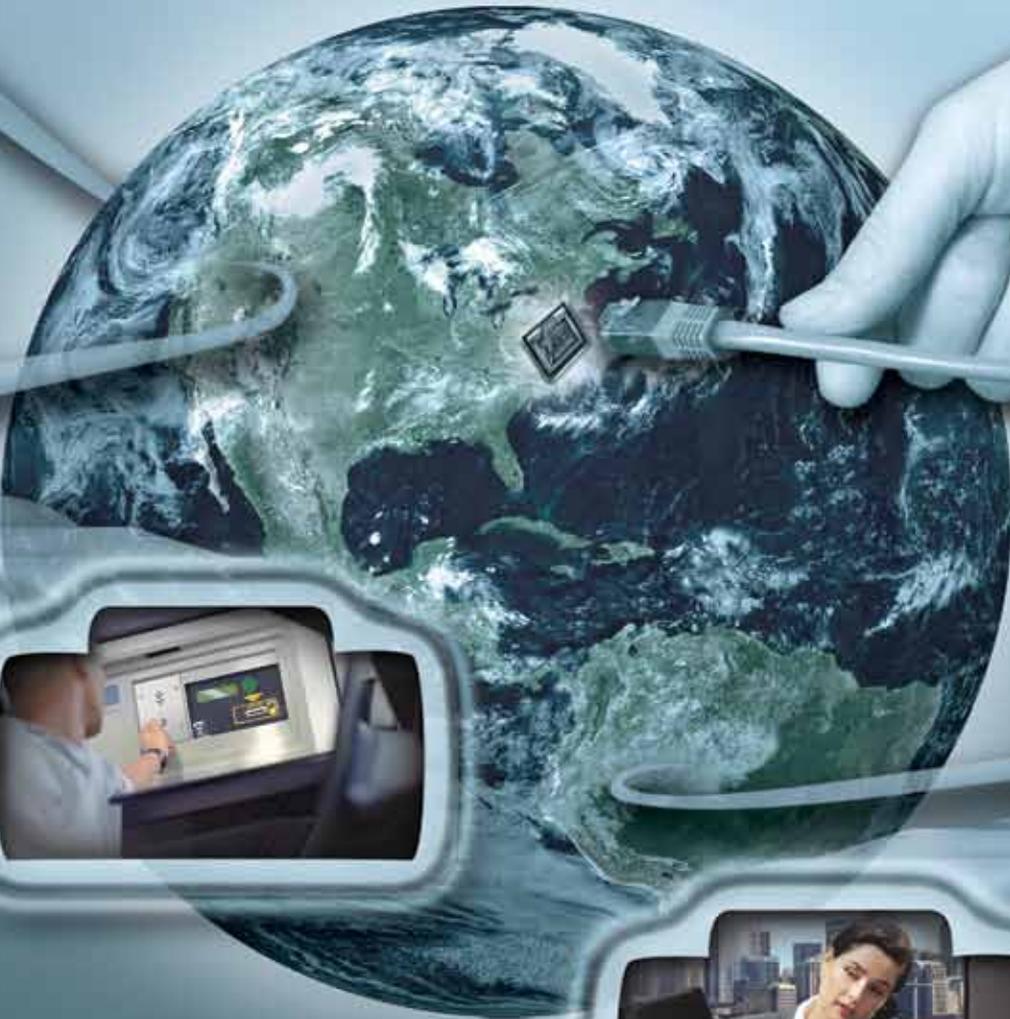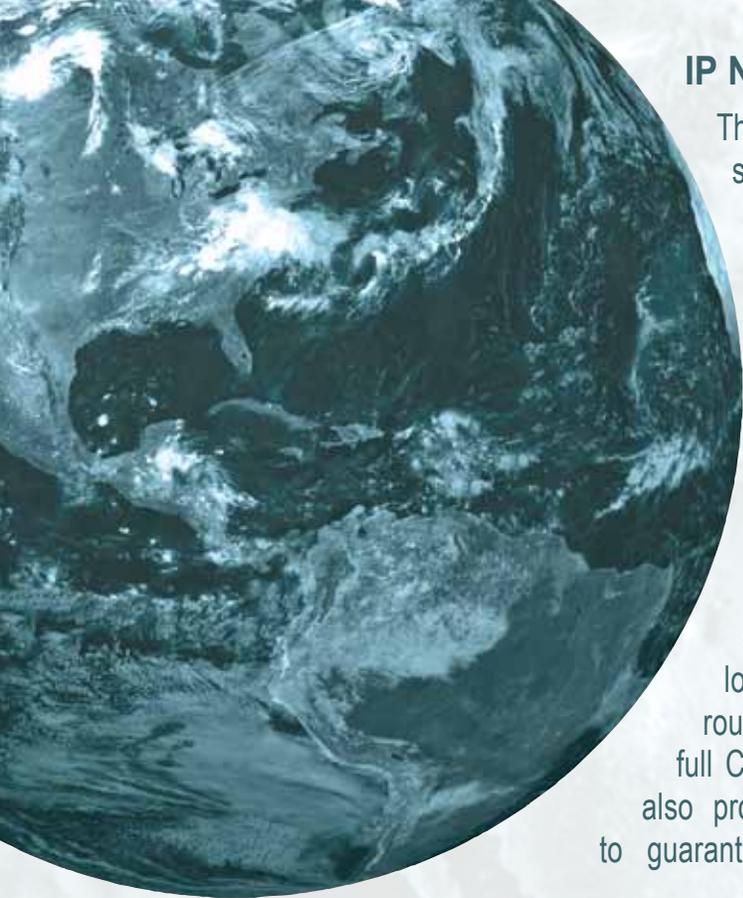**AIPHONE®**

AN-8000 Series
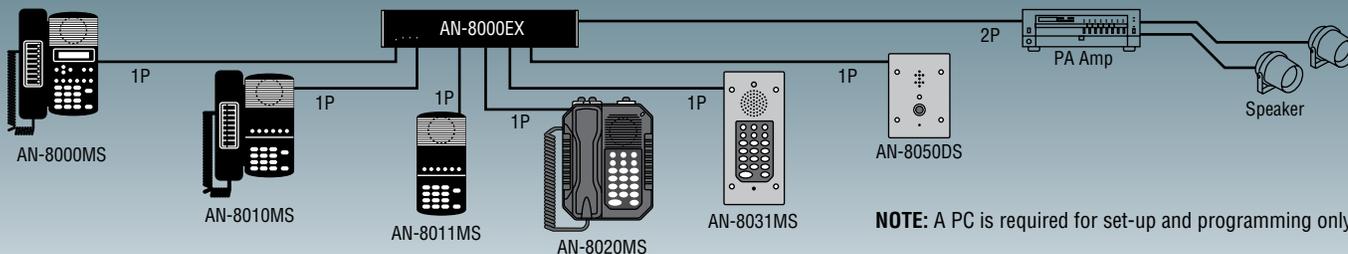*IP Audio Network Intercom*

A World of Security Communication
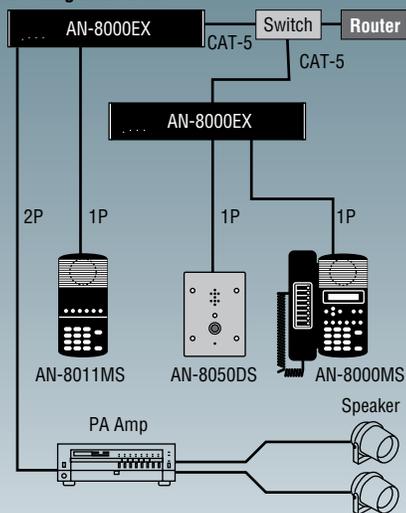
IP Network Compatible Communication System

The AN-8000 series is an IP network compatible intercom system employing packet audio technology. Linking up to 80 IP intercom exchanges, multi-interface units, and IP stations to a local or wide area network, the series creates an ideal system that can be utilized for in-house or expanded area information communications. With a system capacity of up to 1280 stations, the AN-8000 series provides an advanced variety of functions for your security requirements. The system's "Echo Cancellation" feature provides hands-free duplex conversations between stations without feedback or clipping. External PA equipment can be integrated to allow for AN-8000 stations to perform paging to any pre-determined locations. Using the multi-interface unit (AN-8000MI) allows routing of multiple BGM inputs to any number of stations, full CCTV call-up, and centralized door release. Door stations also provide local open-collector output for controlled access to guarantee that your security never becomes compromised.

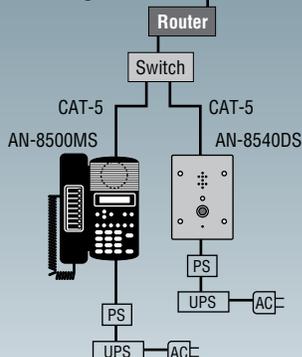### Basic System: up to 16 stations and 2 outputs for PA paging

AN-8000EX
1P — AN-8000MS
1P — AN-8010MS
1P — AN-8011MS
1P — AN-8020MS
1P — AN-8031MS
1P — AN-8050DS
2P — PA Amp — Speaker

NOTE: A PC is required for set-up and programming only.

LAN/WAN IP Network System: connect over Wide Area Network (WAN), up to 80 Exchanges, Multi-Interface Units & IP Stations
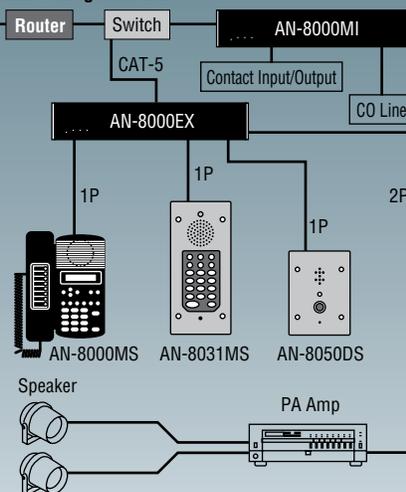
LAN Configuration #1
AN-8000EX — CAT-5 — Switch — Router
CAT-5
AN-8000EX
2P / 1P — AN-8011MS
1P — AN-8050DS
1P — AN-8000MS
PA Amp — Speaker

LAN / WAN (INTERNET)

LAN Configuration #2
Router
Switch
CAT-5 — AN-8500MS
CAT-5 — AN-8540DS
PS
UPS — AC
PS
UPS — AC

LAN Configuration #3
Router — Switch — AN-8000MI
Contact Input/Output
CO Line
AN-8000EX
1P — AN-8000MS
1P — AN-8031MS
1P — AN-8050DS
2P
Speaker — PA Amp

NOTE: A PC is required for set-up and programming only.

Master Stations

AN-8010MS
Standard Handset
Master Station

Features:
- Hands-free or handset communication
- Keypad for calling
- 5 programmable "one touch" dialing assignments
- Paging
- Door release
- Call transfer

AN-8000MS
Multifunctional Handset
Master Station with
LCD display

Features:
Same features as AN-8010MS plus...
- LCD display (2 lines of 16 characters)
- External speaker and headset ports
- Limited programming capabilities
- 8 auto-dial buttons

AN-8011MS
Open Voice
Master Station

Features:
- Hands-free communication
- Compact size
- Keypad for calling
- 8 function buttons
- Paging
- Door release
- Call transfer

AN-8020MS
Industrial Master
Station

Features:
- Heavy-duty design for industrial use and adverse environments
- Hands-free or handset communication
- External speaker port
- Temp. range of -10° C to 50° C
- Dry contacts when call is placed/received
- Keypad for calling
- 8 function buttons

AN-8031MS
Flush Mount Master Station

Features:
- Hands-free communication
- Port for optional RS-191 handset
- Footswitch speed dial inputs
- Keypad for calling
- 8 function buttons
- Flush mount (5-gang)

AN-8500MS
IP Multifunctional Handset
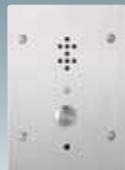Master Station with
LCD display

Features:
Same features as AN-8000MS plus...
- Does not require AN-8000EX
- Connects directly to LAN or WAN
- Occupies one network node
- Supports PoE (802.3af)
- External speaker and headset ports
- Limited programming capabilities
- 8 auto-dial buttons

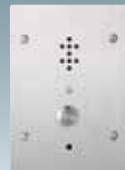# Door Stations

AN-8050DS
Flush Mount
Door Station

Features:
- Indoor use only
- Hands-free full duplex communication
- Flush mount (3-gang)
- IP-54 rated
- Door release open collector output (30VDC, 50mA)
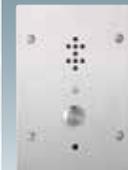
AN-8050DSW
Flush Mount
Door Station

Features:
- Weather resistant
- Hands-free full duplex communication
- Flush mount (3-gang)
- IP-54 rated
- Door release open collector output (30VDC, 50mA)

AN-8540DS
IP Flush Mount
Door Station

Features:
Same features as AN-8050DS plus...
- Does not require AN-8000EX
- Connects directly to LAN or WAN
- Occupies one network node
- Supports PoE (802.3af)
- Door release open collector output (30VDC, 50mA)

Exchange & Multi-Interface Units

AN-8000EX
Network Intercom
Exchange Unit

Features:
- 16 Stations per exchange
- 2 paging outputs per exchange (0dB, 600Ω)
- 2 paging control outputs per exchange (24VDC, 500mA)
- 10 BASE-T or 100 BASE-TX network connection (RJ45)
- 4 internal and 8 external communication links
- EIA standard rack (1 U) mountable

AN-8000MI
Multiple
Interface Unit

Features:
- Two outputs / inputs for audio distribution
- 16 input and output programmable relays
- 2 PBX inputs (E & M interface)
- External equipment control
- Calling station indication / CCTV interlock
- Contact Bridge
- Paging input / output
- Background music input
- EIA standard rack (1 U) mountable

YC-280
Wall bracket for
AN-8000MS, AN-8010MS
and AN-85000MS

RS-191
Handset used
with AN-8031MS,
wall mount

YS-13A
3-gang surface mount back
box for AN-8050DS/8540DS

YC-150
3-gang flush mount back box
for AN-8050DS/8540DS

YC-241
3-gang flush mount back
box for AN-8031MS

YC-251
3-gang surface mount back
box for AN-8031MS

YC-290
Wall bracket for
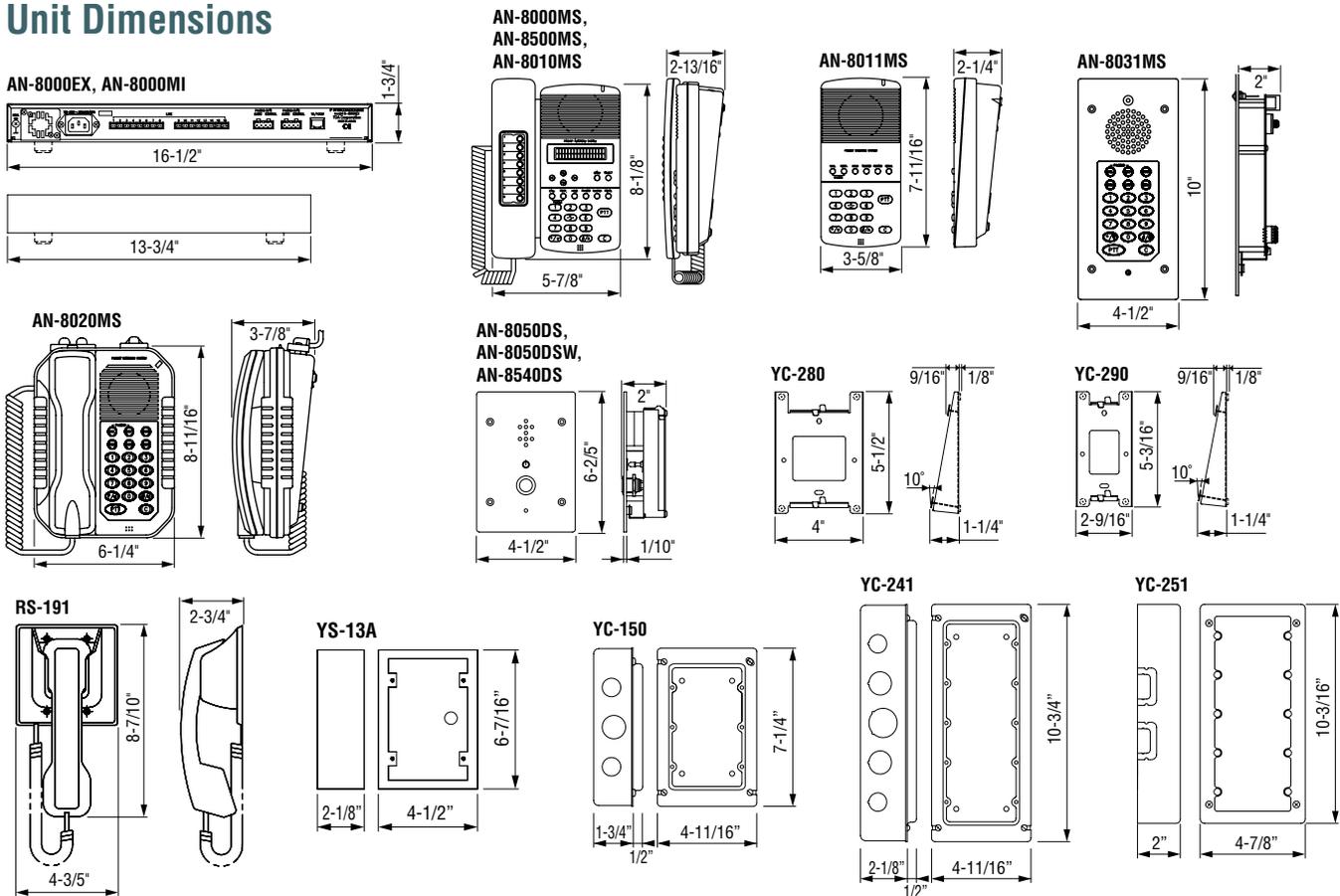AN-8011MS and
AN-8020MS

AD-1210P
12V DC, 1A power supply for IP

System Features

- Network-based intercom system consisting of an exchange unit and dedicated master and door stations.

- Single exchange can connect any combination of door and master stations up to 16 units.

- Up to 80 exchanges can be included on a system for a total of 1280 communication devices.

- IP Direct master station (AN-8500MS) and vandal resistant door station (AN-8540DS), connect directly to a LAN/WAN and do not require an exchange unit.

- Efficient method of communicating over local or wide area network using existing infrastructure.

- Full complement of PC Programmable functions and features. Some of them include: Redial, Recall, Auto-Dialing, Group Call, Group Searching, Absence Transfer, Call Forwarding, Call Hold, and Scan Monitor.

- Automatic echo cancellation prevents clipping and ghosting during hands-free simultaneous conversation.

- Adjustable microphone and speaker levels on all stations for high ambient noise areas.

- Stations incorporate a built-in speaker to allow paging through the units.

- Paging through overhead speaker network using an external amplifier with total broadcast capabilities of up to 160-zones with paging and all-call paging.

- Total system maintenance can be performed off-site using a personal computer with provided software.

- 7kHz* communication frequency provides better clarity than most telephones.

- System occupies a very low amount of bandwidth.

* network status may cause audio quality to temporarily deteriorate to 3.4 kHz

Unit Dimensions