OmniCom 64
Hybrid Building Telephone Entry System

EAP-2

EAP-23DC

EAP-4

EAP-6

MPU-6

DPL

ACK

Surface-Mount Enclosure

Operating Features

Basic Features

Door-to-handset intercom with residents's standard phone handsets.
Door intercom running on inside phone wirelines for no line rental fees.
Door intercom with resident's handsets even without dial tone service from telco.
Door intercom per Auto-Dial on a common service line.
Call waiting at door entry call while phone conversation ongoing.
Call waiting at incoming phone call during entry intercom conversation.
Maximum capacity: 63 suites.

Advanced Features

Four distinct Classes of Service available to every resident: NO-LINE-RENTAL class of service,
NO-DIAL-TONE class of service, STANDARD AUTO-DIAL class of service and AUTO-DIAL-
ON-RESIDENT'S-LAND-LINE class of service.
Operates with dial tone from local phone company or from cable or IP boxes inside the suites.
Operates with a variety of Entry Access Panels (EAP) in unlimited amount (requires DOP card beyond 4).
Operates either with multi-unit Entry Panels or independent doorphones (DPL) for each unit.
May be partitioned for multi-quartered buildings in any number of quarters. Each quarter has own Entry Panel.
100% compatible with internet use of phone lines by residents (28.8 K - 33.6K - 56K) on the standard twisted pair.
Duplex intercom with clear and distinguishable guest's voice for increased security.
Call initiation with single-digit or two-digit keystrokes in a natural fashion.
Secure door release with single-digit or two-digit keystroke.
Highly modular design for cost-effectiveness, outstanding reliability and easy maintenance.
Quick and easy install by handy owner or by contractor with snap-in wire attachments and no special trade tooling.

Optional Features

Compatibility with DSL lines on the standard twisted pair and on a per-unit basis.
Elevator control subsequent to granting access to guest via individual relay closures.
Keyless door release for 120 users with individual passwords from Access Control Keypad accessory (ACK).
Embedded Name Directory with phosphorescent back laminate and pre-formatted/computer-editable name table.
Direct Directory support for any particular suite numbering system.
Directory frame in either chrome or brass for striking two-tone look with brushed stainless steel plate.
Video surveillance with concealed video camera (B&W, color or Infrared) within Entry Access Panel.
Automatic daylight/nighttime illumination control for video applications.
Expansion to 126 suites by stacking two Entry Access Panels together and with Name Directory support.
Additional independent doorphone at each apartment entry door for increased security.

Architects' and Engineers' Specifications

The **Quantometrix** OmniCom 64 Telephone Entry System is a HYBRID type of telephone entry system.
Control units shall be Quantometrix MPU-23 (or MPU-6 accordingly) Controllers with standard IPC interface
cards for compatibility with 56K dialup internet on building phone lines (or IPCi interface cards for
compatibility with DSL internet on building phone lines or ADC card for Auto-Dial classes of service).

To cover the total of X amount of suites, only one MPU-23 (or MPU-6) Controller shall be provided. (Specify
here the exact number of MPU Controllers that are needed.) The MPU Controller unit shall include X
amount of IPC (and/or IPCi, and/or ADC) cards (Specify here number of each type of interface cards when
different cards are desired.) The MPU Controller unit shall be located in the telephone room near the local
phone company telephone blocks. Contractor shall provide necessary termination block to implement
connections of physical wirelines.

The call Entry Access Panel shall be the **Quantometrix** weather-resistant and vandal-proof EAP-XX-YY
model (specify EAP-23 series model #). The EAP-XX-YY model shall be constructed of laminated 10 gauge
stainless steel. The Access Panel shall include a zinc die-cast marine quality keypad along with embedded
name directory frames in (chrome or polished brass) finish. (For other Panels in solo or in combination with
EAP-23 Panel, specify: The Entry Access Panel shall be weather-resistant EAP-XX (specify model #) and
shall be constructed in laminated stainless steel with brush finish (or polished brass finish or black powder
coat). For video surveillance service specify: the Entry Access Panel shall incorporate a B&W (or Color)
micro video camera with supporting infrared light (or visible white light) set.

Contractor shall observe all local and national electrical codes in effect.

Technical Specifications

Entry Access Panel (EAP-23)
Power Source: 120VAC ~ 50/60 Hz ~ 800 mA
Output Power to Doorstrike: 16V AC - 500 mA (max)
Maximum voltage feed: 36V AC or 36V DC (unpolarized feed)
Maximum current consumption: 20 mA
Relay contact ratings: 3A @ 250V AC
Weight: 7 lbs. (EAP-23)
Resistance to environment: Weather-resist./ Vandal-proof
Operating Environment: 0° F - 95 ° F
Size of Faceplate: **W** 6 3/4 in. x **H** 8 2/16 in. - 10 Gauge
Size of Flush enclosure: **W** 6 1/4 in. x **H** 7 1/2 in. **D** 3 in.
Size of Surface enclosure: **W** 6 1/4 in. x **H** 7 1/2 in. **D** 3 in.
Finish: Brushed Stainless Steel - 10 gauge Faceplate
Mount: Flush (**EAP-23XX-FM**) or Surface (**EAP-23XX-SM**)
Directory: Chrome (**EAP-23DC**) or Polished Brass (**EAP-23DB**)

MPU Controller
MPU-23 Cabinet size: **W** 11 in x **H** 12.87 in x **D** 3.4 in - **MPU-6** Cabinet size: **W** 11 in x **H** 7.75 in x **D** 3.4 in6
MPU23 Weight: 8 lbs (full weight) - **MPU-6**: 4 lbs (full weight)
Operating Environment: 41F - 95F
Power Source: 120V AC 50/60Hz 1A
Power Consumption at full load: 36VA
Maximum capacity per module: 23 units
Total maximum capacity: 63 units with 3 stacked modules
Communication Source: Public Switched Telephone Network
Estimated Ringer Equivalence: 0.5 per line
Ring Generator: 7.0 REN
Minimum phone set requirements: Touch-tone or Rotary
  Touch-tone for all functions
  Rotary for intercom without door release control