AlphaTouch™ Architectural and Engineering Specifications

Contractor shall furnish and install a complete Alpha Communications® AlphaTouch™ series smart IP video-intercom system.

Contractor shall furnish, and install all AlphaTouch™ hardware/firmware as provided by Alpha Communications®, 42 Central Drive, Farmingdale NY 11735-1202, Phone: 1-800-666-4800, www.AlphaCommunications.com, and any other necessary equipment required for complete system operation.

If contractor or building management wishes to update the resident data, they simply need to log into the AlphaTouch™ cloud web portal at www.AlphaTouch.info.

Contractor shall be responsible to verify that the AlphaTouch™ system will be compatible with the building's video-intercom stations and devices.

Contractor shall install in a suitable secure and environmentally suitable area, the AlphaTouch™ equipment and any hardware and cabling required for incorporation into the building communication system, and the building's electrical power.

At each visitor door entry location, contractor shall supply, furnish, and install one (1) model **AT700AS** AlphaTouch™ 7.0" touchscreen video-intercom entry station (with the optional model# AT700FH Flush Housing and/or model# AT700AH Rain Hood for Surface Station). Entry video-intercom station(s) shall feature a Brushed Aluminum faceplate and a crystal clear 7.0" touchscreen video display for resident calling and visitor instructions, as well as high definition color camera and speaker/microphone and RJ45 connector. Each **AT700AS** door station shall have three (3) built-in door release relays, which will be powered by separate low-voltage power supplies or transformers.

At each indoor Concierge / Security Guard location, contractor shall supply, furnish, and install one (1) model **AT700DM** AlphaTouch™ Concierge / Security Guard / Porter station. Concierge / Security Guard / Porter station(s) shall feature a built-in full duplex handset and 7.0" touchscreen and RJ45 connector, with desk mount.

At each apartment/suite location, contractor shall supply, furnish, and install one (1) (or more) **AT700MSE** (7.0" touchscreen) and/or **AT1000MS** (10.0" touchscreen) and/or **AT1000MSC** (10.0" touchscreen with built-in camera) series AlphaTouch™ video-intercom monitor station(s), as selected by the Architect. Contractor shall furnish and install the required electrical back box for each monitor unit. Monitors shall be powered directly by it's associated PoE switch and shall require no additional power. All monitors shall feature a crystal clear TFT LCD capacitive touchscreen monitor (measured diagonally), selectable electronic call signaling, full duplex hands-free voice with door release capability and other functions based on the unit's firmware. Monitors shall be manufactured in ABS RAL9005 black color with anodized aluminum trim and shall include a RJ45 connector. Its multi-channel capability virtually eliminates busy signals on the system.

Contractor shall furnish, install and configure the required model# **POES004 and or POES008** or equivalent) PoE switch(es) required for proper system operation. If system

back-up power is a concern, contractor shall connect the PoE switch(es) to an electrical circuit connected to the building's back-up generator.

Video-Intercom system shall be completely PoE powered and shall required no central equipment or controller(s) or similar hardware. Systems requiring central equipment, or special controllers shall not be acceptable.

Contractor shall furnish, install and configure the AlphaTouch™ system as directed by architect/engineer/building owner/manager or developer in charge of the project.

Contractor shall provide instructions to necessary building personnel regarding the proper method of operation of the AlphaTouch™ system.

DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.

C. Handling: Protect materials during handling and installation to prevent damage.

LIMITED WARRANTY

A. Warranty Period: Each piece of equipment and/or software supplied by Alpha Communications® and others shall be warranted by the manufacturer to be free of defects in material and workmanship for a period of 12 months from the date of shipment, as covered by the manufacturer's Limited Warranty.

PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Use factory recommendations regarding wiring type and gauge in order to insure proper system function and dependability. Also follow factory recommendations regarding distance limitations.

C. When running wiring avoid proximity to AC wiring, fluorescent ballasts, dimmers, motors and compressors to prevent potential EMI issues that will affect proper operation of the system.

Any items not specified herein that is needed for proper operation will be included in this specification.

SYSTEM OPERATION REQUIREMENTS

System shall operate as follows:

SYSTEM INTERFACE CAPABILITIES

The system shall be able to place calls from the 7.0" touchscreen type entry video station(s) to the AlphaTouch™ series apartment video-intercom monitor stations. The residents can answer those calls, view the visitor(s) on the built-in lobby entry camera(s), speak to the visitor(s) and if desired, open the entry door remotely. This same call can also be sent to a resident's (landline or cell phone) telephone, as a standard type phone call, as well as a 'push notification' to the resident's smart phone using the AlphaTouch™ app, and when used with analog system integration, the call can also be made to the resident's analog intercom or video-intercom station/device in their apartment/suite.

VISITOR LOBBY PANEL OPERATION

When a visitor wishes to place a call to a resident/company, he/she shall view the directory listing on the **AT700AS** display and shall scroll the name directory, to make a selection. If the visitor knows the apartment/suite/code number of the resident, the visitor can key in that number or name on the keypad. Once the selection is made, the visitor shall press the Call button to place the call.

When the Call button is pressed, an electronic tone shall sound at the resident/company video-intercom station(s), indicating a call from the entry. This call will also activate the video screen(s) at that apartment/suite, enabling the resident to view the visitor(s), before answering the call. The call can also activate (depending on system configuration) the resident's telephone, AlphaTouch™ smart phone app and/or analog intercom station.

The resident/company may, at their option, answer the call on their video-intercom station, or telephone, or smart phone app or analog intercom station, to communicate with the visitor(s) and allow entry, if enabled, at the resident/company option.

CONCIERGE / SECURITY GUARD / PORTER STATION OPERATION

When the Concierge / Security Guard / Porter wishes to place a call to a resident/company, he/she shall view the resident directory listing on the **AT700DM** display and shall scroll the name directory, to make a selection, or if he/she knows the apartment/suite/code number of the resident, the Concierge / Security Guard / Porter can key in that number on the screen.

When the Call button is made, an electronic tone shall sound at the resident/company video-intercom station(s), indicating a call from the Concierge / Security Guard / Porter. This call will also activate the video screen(s) at that apartment/suite, enabling the resident to view the visitor(s), before answering the call. The call can also activate (depending on system configuration) the resident's telephone, AlphaTouch™ smart phone app and/or analog intercom station.

The resident/company may, at their option, also place a call to the Concierge / Security Guard / Porter station from their AlphaTouch™ smart phone app or

AlphaTouch™ video-intercom monitor station. They can also call to the Concierge / Security Guard / Porter station from their telephone by calling the phone number associated with that station.

OPTIONAL COMPONENTS

Where required, and as directed by the architect, contractor shall supply, furnish, and install optional system components, such as Proximity (prox.) Readers (and associated prox. tags), IP camera(s), biometric access devices, hearing-impaired strobes, etc.