

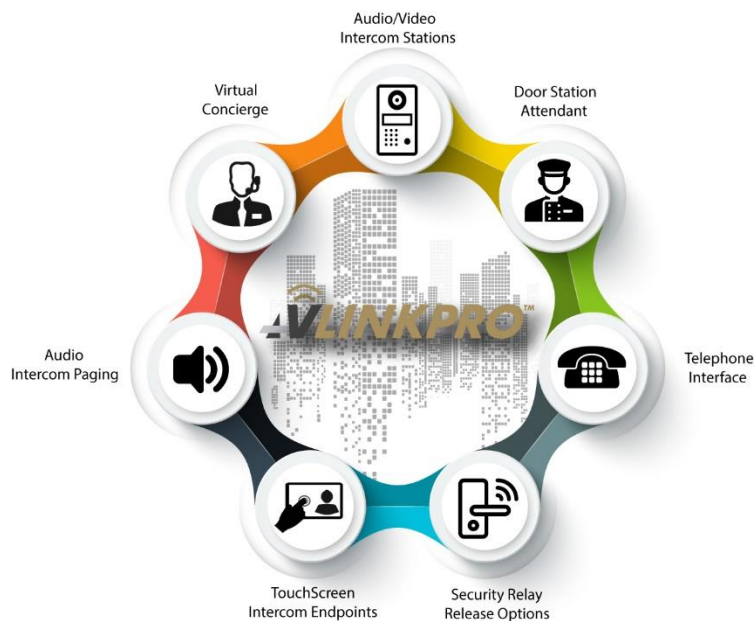
MULTI-DWELLING INTEGRATION

CRESTRON HOME™

AVLinkPro™ is a leader in video intercom communication integration.

Today's smart residence environments call for interaction with a variety of technologies that provide inter-communication at some level to allow for security and safety as well as amenities to benefit the resident.

In the Crestron Smart home environment, AVLinkPro™ has provided a partner solution since early 2018 that allows for full functionality within all Crestron environments for audio and video communication.



Why this solution is important to MDU integration?

- Video intercom from a shared entry point is a vital amenity
- Residents want to have a communication path to concierge
- The ability to preview a visitor before allowing access is a key feature
- Residents want to be able to allow visitors to gain access to enter
- Integration within the Crestron ecosystem benefits the system, the resident as well as the building management and security position
- Such an amenity compliments the building security and convenience
- Real estate properties prove to be more attractive with such amenities



A Luxurious Multi Dwelling Residence On Lake Ontario

Royal Port on the shores of Lake Ontario is designed to impart residents with stunning waterfront views and advanced amenities such as Crestron smart home automation and control technology. Featuring lighting control and heating/cooling control and video intercom communication. Located in the historic Port Dalhousie neighbourhood of St. Catharines , Royal Port is steps away from sightseeing and recreational amenities such as Lakeside Park Beach, Port Dalhousie Pier Marina, Dalhousie Yacht Club, and the Waterfront Walking Trail. The project overseen by Rankin Construction, Inc. includes the security and audio video solutions provided by Dell Smart Home Systems of St. Catharines , Ontario.

Dell Smart Home Solutions, a certified Crestron partner and leading provider of custom home electronics in the Niagara region of Ontario, who specializes in cabling, whole house audio, home security, home theatre, and home automation reached out to **AVLinkPro™**, a Tier One Crestron partner manufacturer to provide a unique security and communication solution for the individual residences.



Jason Dell and his team work closely with Interior Designers and Architects to help them, help their clients, make educated decisions on what is important to them with regards to wiring their home while they have the opportunity during a renovation or new build.



MDU Communication Solutions

Royal Port by Rankin Properties



49 Luxury Suites with Waterfront Views

1 & 2 Bedroom Suites with Den Options (800-1500 sq. ft.)

3 Penthouse Suites (1400-2200 sq. ft.)

Number of Floors: **8**

Integration in each residence: **Crestron Home**

Total Crestron touch screens dedicated to intercom: **51**

Crestron systems being controlled in each residence:

Lighting, Thermostats, Audio, Video, Shades, other

Main door entry device: **DoorBird DK21KV** video intercom

The Challenge:

- To provide connectivity for the common door video intercom through the Crestron Home enabled touch screen panels.
- Provide for possible connectivity to a concierge or main office.
- To allow the Crestron touch panels the ability to release the door intercom relay during the call.
- To provide all these features in an enterprise level to all end points.
- To integrate the solution given that resident will have their own internet service provider (ISP) and localized Crestron solution.

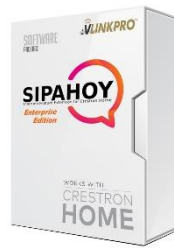
The Solution:

AVLinkPro™ is recognized as the technology leader in communication bridge technology to allow single residence and multiple dwelling spaces connect via intercom and other communication devices.

Installing the **AVLinkPro™ LP360RM** large scale PBX Bridge system that will manage and coordinate the MDU intercom solution through a network VLAN to each condominium. The **AVLinkPro™ CLIO8+** PoE switch will be installed in each apartment to allow for VLAN Connection to the building network without interfering with the residents router or local ISP.

The **AVLinkPro™ SIPAHYOY Enterprise** platform will be utilized to enable maximum communication between endpoints as required.





Project includes:

- 1 x AVLinkPro™ LP360 SIP PBX Bridge
- AVLinkPro™ SIP Channel endpoint licenses
- 1 x SIPAHYO Enterprise platform for Crestron Home
- 49 x AVLinkPro™ CLIO+8 PoE Layer 2+ network switches

Crestron Home Residential Intercom Multi Dwelling Unit

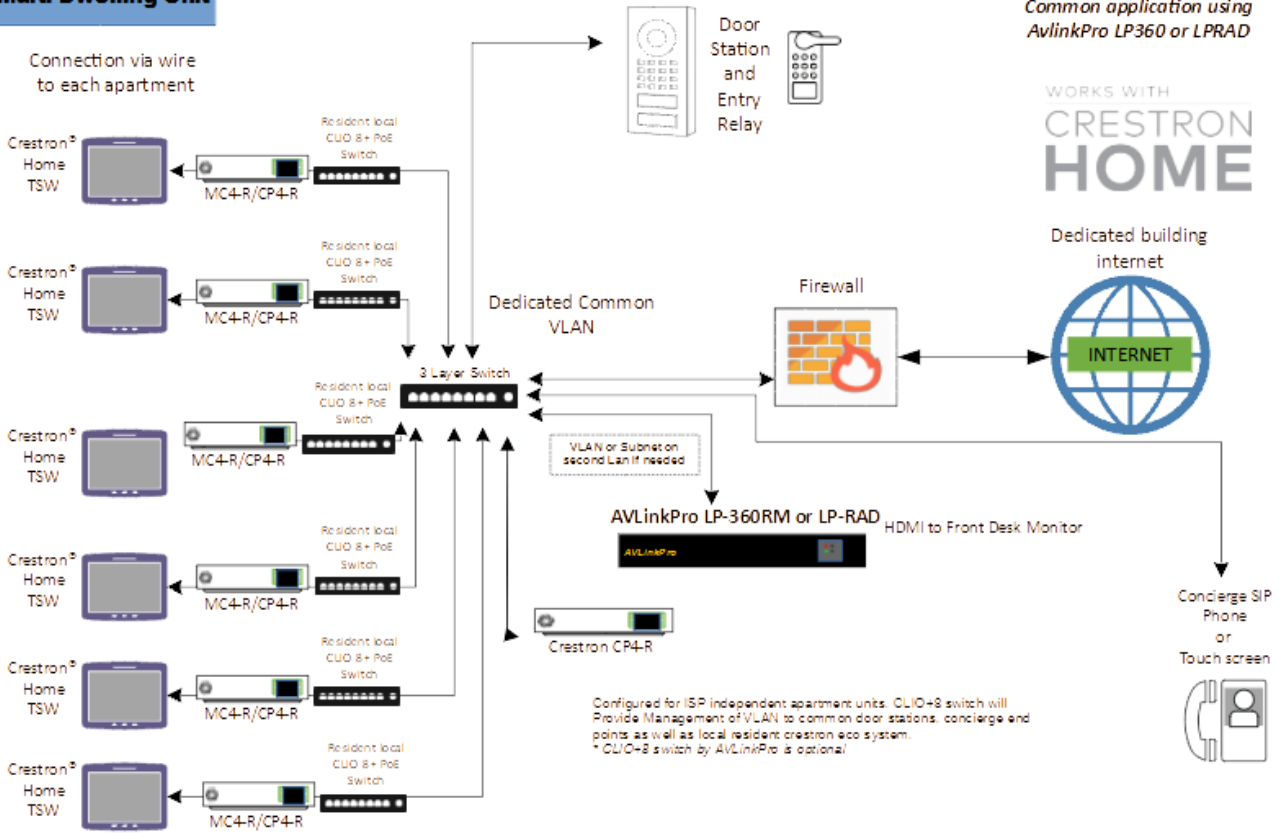
Enhanced MDU Door-Station Connection with AVLinkPro™

Connection VIA Internet from common building ISP

Common application using AVlinkPro LP360 or LPRAD

WORKS WITH **CRESTRON HOME**

Dedicated building internet



Each residence having independent ISP uses the AVlinkPro CLIO 8+ 2+ layer VLAN enabled network switch



Applications		Conferencing	Queues	Automation Devices
Crestron Panel Setup	Crestron Home	Crestron Dial Groups	Crestron Routing	Crestron Templates
Crestron MDU				
Tenants Status: Enabled <input checked="" type="checkbox"/> Enable				
Tenants:				
Show 10 entries Search				
ID	Tenant Name	Email	Actions	
1	APT 54	tenant@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	APT 10A	rob@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Apartment 1A	Fyy@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Apartment 20B		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Showing 1 to 4 of 4 entries Previous 1 Next				



www.avlinkpro.com

866-937-2833



A Famous Address in New York City Offers Hi-Tech Amenities

When developer Michael Shvo acquired the 20 story building located on the corner of 54th Street in the heart of the Upper Fifth Avenue in Manhattan, he anticipated a new branded residential tower by the Mandarin Oriental Residences. The Mandarin Oriental Residences at 685 5th Avenue, part of the world famous Mandarin Oriental Hotel Group. It is a distinctive luxury residence with the comforts of a private home combined with the unsurpassed amenities and legendary service of Mandarin Oriental. These turnkey residences offer the full comforts of home with views of mid-town Manhattan and advanced amenities such as Crestron smart home automation and control technology. Featuring fully centralized lighting control and heating/cooling control and video intercom communication. The project overseen by SHVO real estate development that includes renovation of the building site to 29 stories as well as management and sales of the residence spaces.

The security and audio video solutions are provided by **Communications Engineering Management (CEM)** of Paramus, NJ, a Crestron Certified, solutions provider for interactive multi-media technology, smart building infrastructure, audio/video consulting and installation for smart home technology at luxury residences. **CEM** reached out to AVLinkPro, a Tier One Crestron partner manufacturer to provide a unique security and communication solution for the individual residences.

The AVLinkPro solution is recognized as the technology leader in communication bridge technology to allow single residence and multiple dwelling spaces connect via intercom and other communication devices.



MDU Communication Solutions

Mandarin Oriental Residences - SHVO Development



65 Luxury Apartments

Studio, 1 & 2 Bedroom Suites with Den Options (625-1500 sq. ft.)

Number of Floors: **28**

Integration in each residence: **Crestron Home**

Total Crestron touch screens dedicated to intercom: **69**

Crestron systems being controlled in each residence:

Lighting, Thermostats, Audio, Video, Shades, Intercom other

Service door entry devices: **DoorBird D2104, D1100** video intercom

The Challenge:

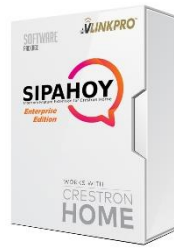
- To provide connectivity for the common concierge intercom through the Crestron Home enabled touch screen panels.
- Provide for Intercom connectivity to main office and public access endpoints.
- Allow the Crestron touch panels in residences to ring from lobby or services.
- To provide all these features in an enterprise level to all end points.
- To integrate the solution given that resident will have their own internet service provider (ISP) and localized Crestron solution.
- To provide a easy deployment solution to meet all residences needs.

The Solution:

AVLinkPro™ provided a fully communication solution by providing the **AVLinkPro™ LP360RM** large scale PBX Bridge system that will manage and coordinate the MDU intercom solution through a network VLAN to each condominium. The **AVLinkPro™ CLIO8+** Layer 3 PoE network switch is installed in each residence to allow for VLAN Connection to the building network without interfering with the residents local router or local ISP.

The **AVLinkPro™ SIPAHYOY Enterprise** platform is utilized to enable maximum communication between endpoints such as building staff and entrance security. AVLinkPro also provided intercom to telephone services so that security staff can manage services entrances at any hour.





Project includes:

- 1 x AVLinkPro™ LP360 SIP PBX Bridge
- AVLinkPro™ SIP Channel endpoint licenses
- 1 x SIPAHYO Enterprise platform for Crestron Home
- 65 x AVLinkPro™ CLIO+8 PoE Layer 3+ network switches
- 2 x AVLinkPro™ CLIO+24 PoE Layer 3+ Fiber switches
- 2 x AVLinkPro™ RELOGIC 16 Port Digital Access Relays
- AVLinkPro™ Ittendant Intercom to telephone service

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Crestron Home Residential Intercom Multi Dwelling Unit

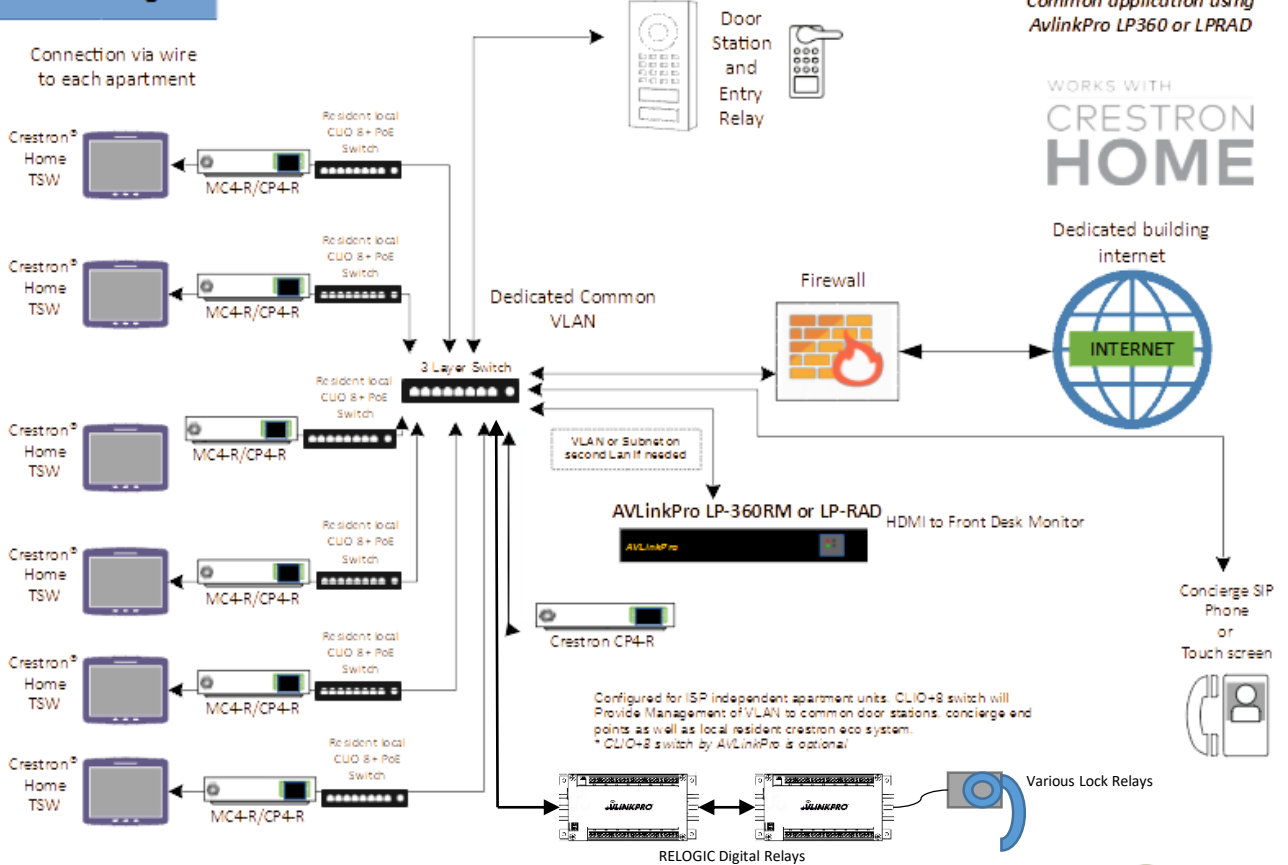
Enhanced MDU Door-Station Connection with AVLinkPro™

Connection VIA Internet from common building ISP

Common application using AvlinkPro LP360 or LPRAD

WORKS WITH **CRESTRON HOME**

Dedicated building internet



Each residence having independent ISP uses the Avlink-Pro CUO 8+ 2+ layer VLAN enabled network switch



Automation Devices				
Tenants Status: Enabled <input checked="" type="checkbox"/> Enable				
Tenants				
Show	Tenant Name	Email	Actions	
1	APT 54	tenant@mail.com	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
2	APT 10A	rob@gmail.com	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
3	Apartment 1A	Fyy@gmail.com	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
4	Apartment 20B		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	



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866-937-2833



lendlease

One Sydney Harbour is The Premiere Residential High-Rise in Australia

The three striking residential towers that comprise One Sydney Harbour are the final piece of Barangaroo South's transformation on Sydney's iconic waterfront. Three distinctive residence buildings are part of the luxury community surrounded by Sydney Harbor. The unique building designs by award winning master architect, Renzo Piano celebrate the skyline with a pinnacle of majestic living that is unmatched in its surroundings.

For each residence, the attention to detail extends beyond the four walls with an offering of luxury amenities for exclusive use by residents. State-of-the-art facilities designed to enhance everyday life will be available, including a concierge who will provide the utmost service, catering to the every need and responding to requests with meticulous care.

Kayder AV, a certified Crestron partner and an award-winning automation specialist based in Sydney, who integrates the very latest technologies into your home and workplace spaces reached out to **AVLinkPro**, a Tier One Crestron partner manufacturer to provide a unique security and communication solution for the individual residences. The **AVLinkPro** solution is recognized as the technology leader in communication bridge technology to allow single residence and multiple dwelling spaces connect via intercom and other communication devices.



MDU Communication Solutions

One Sydney Harbour – LendLease Development

lendlease

808 Luxury Suites with Waterfront Views across 3 buildings
(Residences One, Residences Two, Watermans Residences)

1 & 2 Bedroom Suites with Den Options (800-1500 sq. ft.)

3 Penthouse Suites (1400-2200 sq. ft.)

Number of Floors: **72,60,30**

Integration in each residence: **Crestron Home**

Total Crestron touch screens dedicated to intercom: **808+**

Crestron systems being controlled in each residence:

Lighting, Thermostats, Audio, Video, Shades, Intercom, Elevators...

Main door entry device: **2N** video intercom

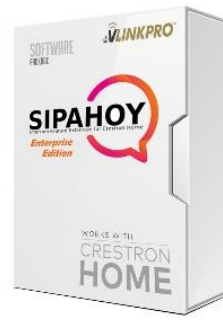
The Challenge:

- To provide connectivity for the Concierge through the Crestron Home enabled touch screen panels.
- Allow residents to call elevator directly through Crestron Home panels.
- To provide a means to easily deploy up to 350 systems per building easily.
- The ability to deploy elevator control schemes with a spreadsheet.

The Solution:

AVLinkPro™ Provided three enterprise grade **LPRadPro** large scale PBX Bridge systems that will manage and coordinate each building MDU intercom solution through a network VLAN to each residence . The **AVLinkPro™** Team provided customization to accommodate the buildings Dormakaba Resivo access control system to allow for control over the various access points and the ability to call elevators to each individual apartment with a simple touch screen press.

The **AVLinkPro™ SIPAHROY Enterprise** platform is being utilized to enable maximum communication between endpoints and quick actions triggers to enable triggers to the Dormakaba systems as well as relays and access points.



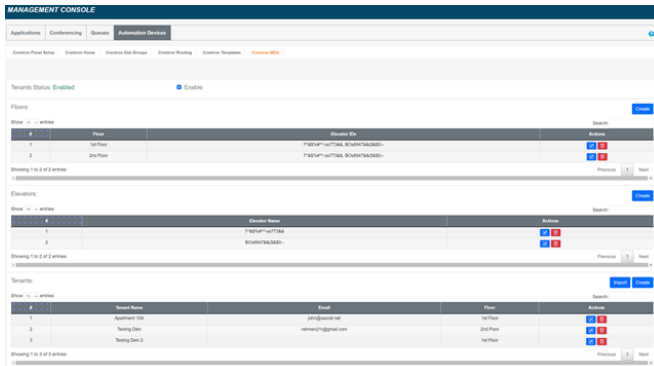
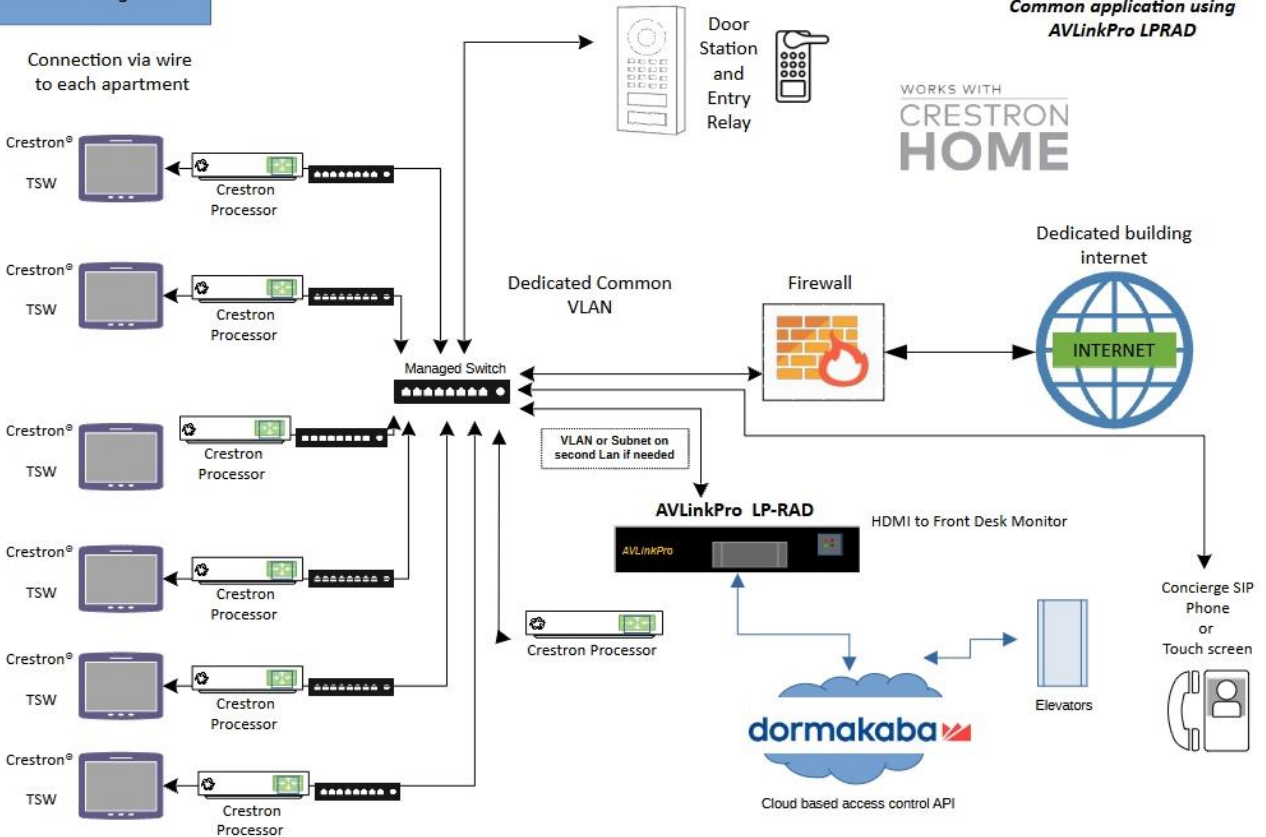
Project includes: (Per Building)
 1 x AVLinkPro™ RADPRO Enterprise SIP PBX Bridge
 AVLinkPro™ SIP Channel endpoint licenses
 1 x SIPAHOY Enterprise platform for Crestron Home

Crestron Residential Intercom Multi Dwelling Unit

Enterprise MDU Door-Station Connection with AVLinkPro™

Connection VIA Internet from common building ISP

Common application using AVLinkPro LPRAD



Floor name	SIP Addresses Related to Floors			Apartment Names
	LIR 3	LIR 2	LIR 1	
Level 55				671-676
Level 53				681-666
Level 51				691-656
Level 50				641-646
Level 39				631-626
Level 38				621-626
Level 37				611-616
Level 26				581-586
Level 35				591-596
Level 33				581-586
Level 32				571-576
Level 31				561-566
Level 30				551-556
Level 29				541-546
Level 28				531-536
Level 27				521-526
Level 26				511-516
				501-506