

view[®]

View Net

The backbone of your Smart Windows™



Overview

View Net is the scalable, secure, enterprise-grade network that that operates your View Smart Windows.

It serves as the building's futureproof, smart building platform that runs View Intelligence®, the predictive software engine that automatically adjusts the windows based on sun position and weather. View Net's cloud-connected architecture seamlessly integrates with other buildings systems through Rest APIs and enables over-the-air updates and 24/7 remote monitoring.

Key Components



The **Control Panel** supplies power and data to over 512 windows via the the Quad Network Window Controllers. It can be surface mounted or recessed in the wall.



The **Central Network Hub** computes tint decisions, communicates them to the appropriate control panel, and provides cloud connectivity for remote access and monitoring.



The **Quad Network Window Controller (QNWC)** applies the precise voltage to the windows based on the desired tint state. One QNWC supports up to four windows.



The roof-mounted **Sky Sensor** delivers 360° light and infrared temperature data to inform weather-based tint decisions for the windows.

Features & Benefits



Robust & secure

- Enterprise-grade, scalable, converged network
- Zero-trust framework with TLS encryption
- Fault-tolerant with built-in redundancy



Efficient design & installation

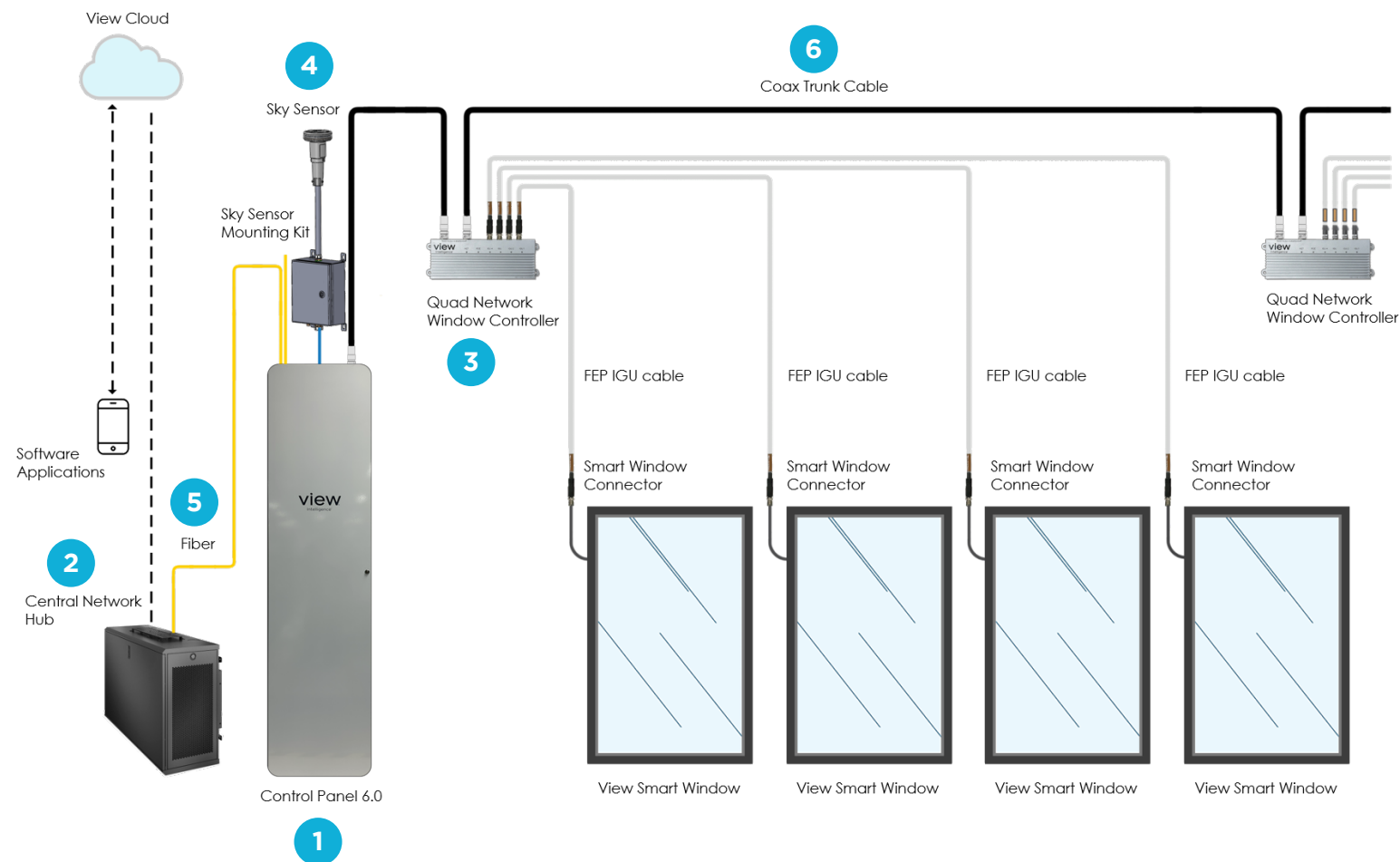
- Trunkline system with pre-terminated, plug-n-play wiring
- 4 windows per QNWC reduces components while preserving control of individual windows
- Smaller control panel serves over 512 windows



Futureproof

- Over-the-air updates
- Powerful and expandable compute architecture
- High speed, 1 Gbps cabling with optical fiber connectivity





1 Control Panel

- Supports over 512 IGUs and 32 trunk cables
- Wall-embedded
- UL Listed, FCC certified
- Control panel to IGU max distance is 1500 FT

2 Central Network Hub

- Contains building controller and other networking components
- 1x per View Smart Window installation
- Provides cloud connectivity

3 Quad Network Window Controller

- Controls 4 IGUs — up to 100ft away
- 1x Power over Ethernet (PoE) port
- IP addressable, secure with TLS1.2
- IP55 rated, FCC, and CE certified

4 Sky Sensor

- Roof-mounted weather tracking
- 13 photosensors for 360° light and 2 infrared sensors for cloud detection
- Weather and surge proof
- IP67 rated

5 Fiber

- Connects Control Panel to Control Panel
- Redundancy with back haul to Central Network Hub
- 12 strands vertical

6 Coax Trunk Cables

- Carries power and data - up to 1500ft
- 1 Gbps bandwidth
- TLS 1.2 encryption
- Pre-terminated and unterminated
- Plenum-rated



Optimal human experiences in buildings

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