



SmartHouse[™].my
Monitor . Control . Secure

Automate & Control Your Entire House

Master Controller (VYROX)

Manage lightings, home appliances, temperature, lighting scene, timer automation, alarm security, CCTV surveillance, etc.



Technical Specifications:

- Processor Brand: Intel
- Web-enabled: Yes
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin)
- Size: 230mm (W) X 125mm (L) X 60mm (D)
- Weight: 2Kg
- Power Supply: 12V DC, 3A
- Power Consumption: 18W
- Ambient Temperature: -10 °C ~ 60 °C
- Ambient Humidity: 5% ~ 95%
- Enclosure Material: Aluminum
- Warranty Against Manufacturing Defects: 1-Year



Certifications



RoHS

PASS



FCC

PASS

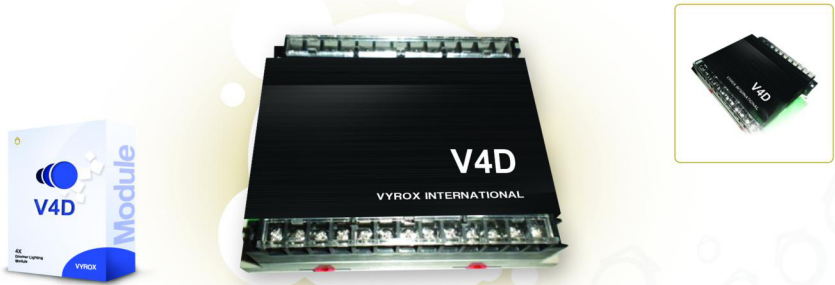


CE

PASS

4X Dimmer Lighting Module (V4D)

Control dimmers lighting and create fading effect.

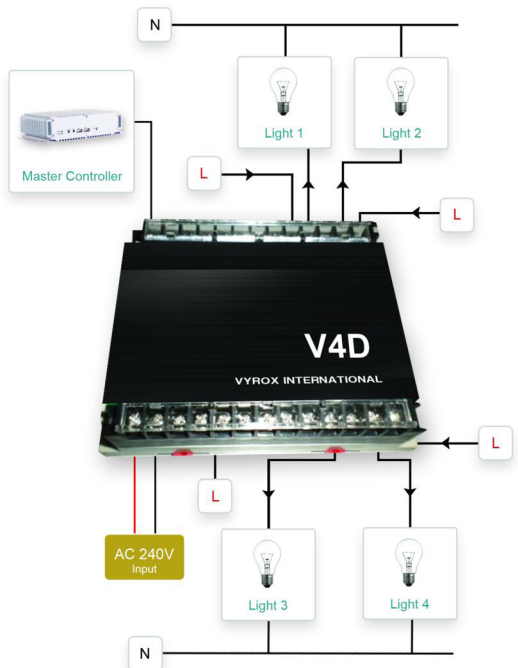


Technical Specifications:

- Maximum Dimmable Circuits: 4
- Fading Effect: Yes
- Fading Steps: 256
- Isolation Technology: Optocoupler Isolation
- Maximum Power Per Circuit: 2500W
- Maximum Voltage Per Circuit: 250V AC
- Maximum Current Per Circuit: 8A
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 4
- Baud Rates: 1200/2400/4800/9600/19200 bps
- Maximum Modules Per Port: 254
- Size: 110mm (W) X 155mm (L) X 64mm (D)
- Power Supply: 240V AC, 1A
- Ambient Temperature: -20 °C ~ 80 °C
- Ambient Humidity: 5% ~ 95%
- Warranty Against Manufacturing Defects: 2-Year



Installation Guide:



16X Lightings & Home Appliances Module (V16R)

Control lightings and home appliances.

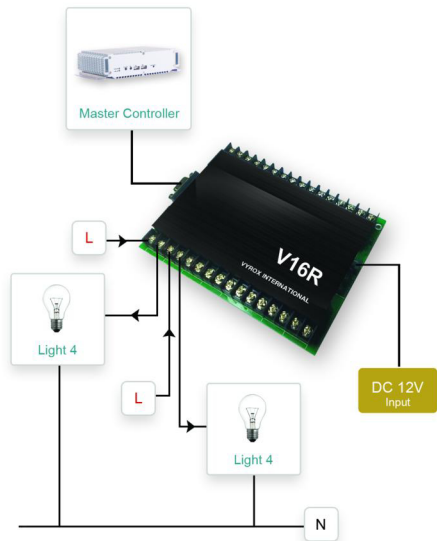


Technical Specifications:

- Relay Brand: OMRON
- Maximum Circuit Controls Per Module: 16
- Maximum Voltage Per Circuit: 270V AC
- Maximum Current Per Circuit: 10A
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin)
- Baud Rate: 9600bps
- Maximum Modules Per Port: 254
- Module Size: 115mm (W) X 150mm (L) X 20mm (D)
- Power Supply: 12V DC, 1.25A
- Ambient Temperature: -20 °C ~ 80 °C
- Ambient Humidity: 5% ~ 95%
- Warranty Against Manufacturing Defects: 2-Year

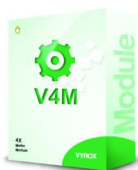


Installation Guide:



4X Motor Module (V4M)

Control auto-gates, motorized curtains, motorized blinds/shutters, motorized projector lifts, motorized projector screens.

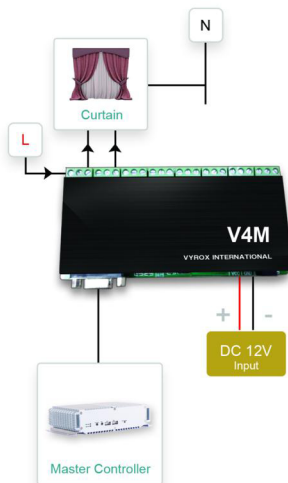


Technical Specifications:

- Relay Brand: OMRON
- Maximum Motor Controls Per Module: 4
- Maximum Motor Power Per Circuit: 2000V AC
- Maximum Voltage Per Circuit: 250V AC
- Maximum Current Per Circuit: 8A
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin)
- Baud Rate: 9600bps
- Maximum Modules Per Port: 254
- Module Size: 70mm (W) X 140mm (L) X 20mm (D)
- Power Supply: 12V DC, 1A
- Ambient Temperature: -20 °C ~ 80 °C
- Ambient Humidity: 5% ~ 95%
- Warranty Against Manufacturing Defects: 2-Year



Installation Guide:



32X Switch Module (V32S)

Connect switches and feedback status to the system.

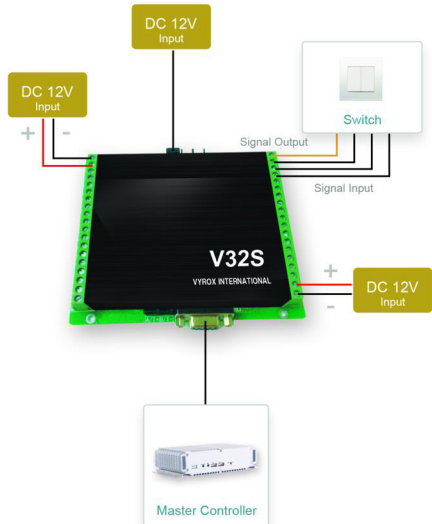


Technical Specifications:

- Maximum Dry Contacts Input Per Module: 32
- Average Response Time: 0.6s
- Dry Contact Input Voltage Range Per Channel: 12V
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin) & V-BUS 4
- Baud Rate: 9600bps
- Maximum Modules Per Port: 6
- Module Size: 110mm (W) X 130mm (L) X 20mm (D)
- Power Supply: 12V DC, 1A
- Ambient Temperature: -20 °C ~ 80 °C
- Ambient Humidity: 5% ~ 95%
- Warranty Against Manufacturing Defects: 2-Year



Installation Guide:



16X Alarm Security Module (V16S)

Manage motion sensors, magnetic sensors, vibration sensors, smoke sensors, gas sensors, etc.

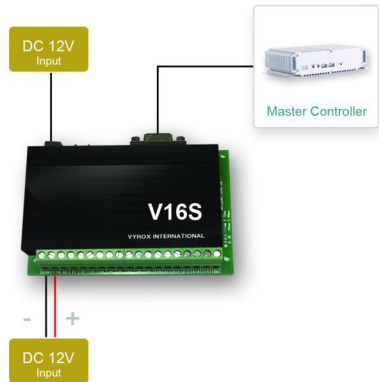


Technical Specifications:

- Maximum Security Zones Per Module: 16
- Average Response Time: 0.05s
- Support Request To Send (RTS): Yes
- Dry Contact Input Voltage Range Per Channel: 5V ~ 24V
- Isolation Technology: Optocoupler Isolation
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin) & V-BUS 4
- Baud Rate: 9600bps
- Maximum Modules Per Port: 1
- Module Size: 110mm (W) X 130mm (L) X 20mm (D)
- Power Supply: 12V DC, 1A
- Ambient Temperature: -20 °C ~ 80 °C
- Ambient Humidity: 5% ~ 95%
- Warranty Against Manufacturing Defects: 2-Year



Installation Guide:



30X Infrared Module (V30IR)

Control LED strips, air-conditioners, fan, audio and video systems, etc.



Technical Specifications:

- Maximum Infrared Commands: 30
- Signal Transmission Directions: All
- Communication Method: 802.11 b/g/n WIFI
- Communication Protocol: TCP/IP/UDP
- Infrared Learning Range: 10khz ~ 80khz
- Size: 50mm (W) X 50mm (L) X 20mm (H)
- Power Supply: 5V, 0.5A
- Ambient Humidity: 5% ~ 95%
- Ambient Temperature: -20 °C ~ 80 °C
- Warranty Against Manufacturing Defects: 2-Year



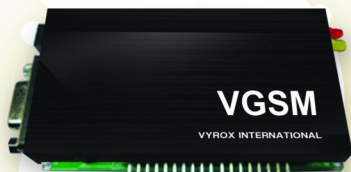
Installation Guide:

2.4G Wireless
connect to DC.



GSM Module (V-GSM)

Report system status by sending text messages (SMS) via GSM network.

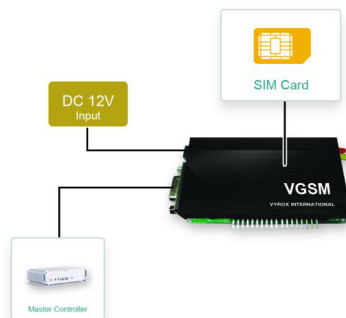


Technical Specifications:

- GSM Chipset: SIEMENS TC35
- Frequency Band: Dual-Band EGSM900 & GSM1800
- Communication Mode: Standard V-BUS
- Communication Port: V-BUS 2 (9 Pin)
- Baud Rate: 1.2kbps ~ 1.5 kbps
- Support Voice Calls: Yes
- Audio Rate: Half Rate (HR)/Full Rate(FR)/Enhanced Full Rate (EFR)
- Size: 55mm (W) X 85mm (L) X 20mm (H)
- Power Supply: 5V ~ 24V, 1A
- Ambient Humidity: 5% ~ 95%
- Ambient Temperature: -20 °C ~ 55 °C
- Warranty Against Manufacturing Defects: 2-Year

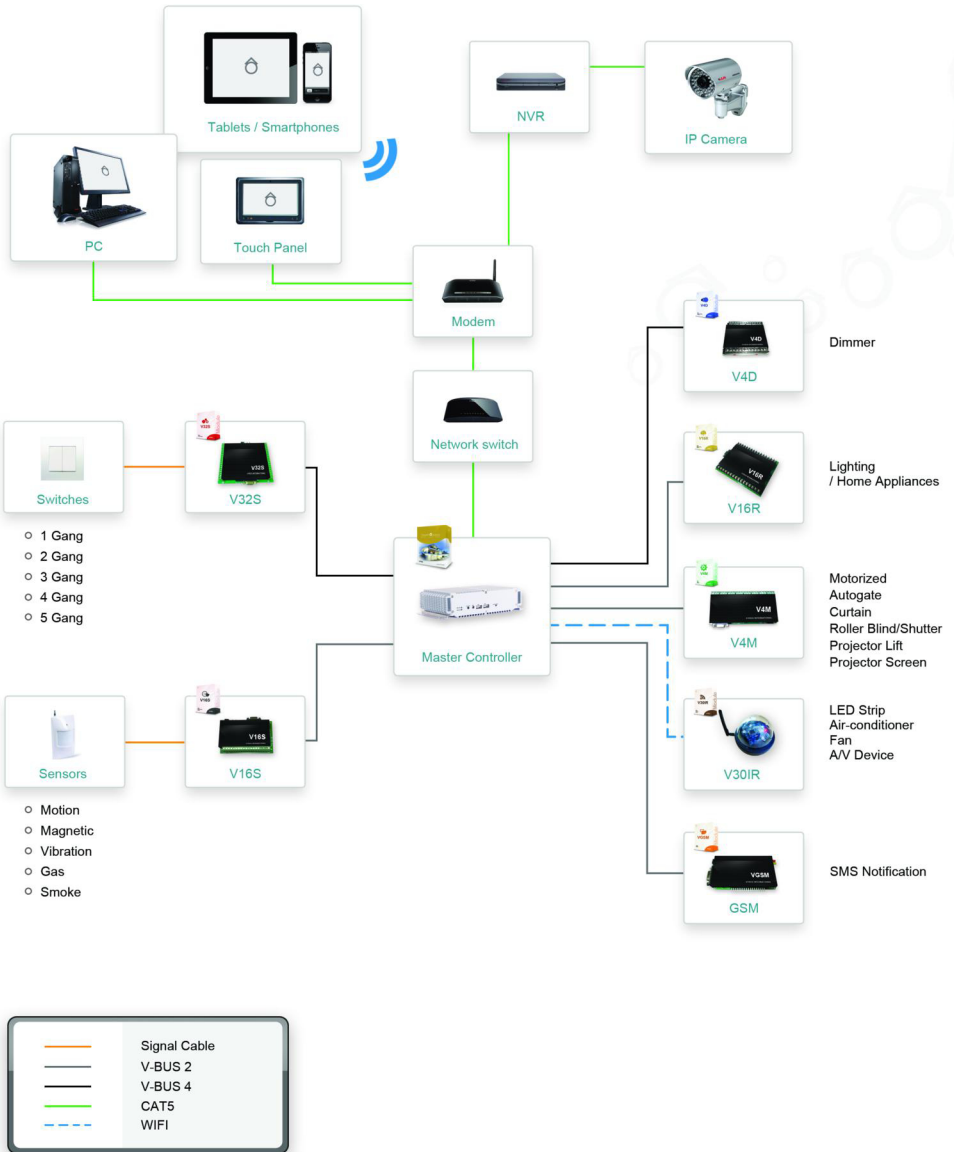


Installation Guide:



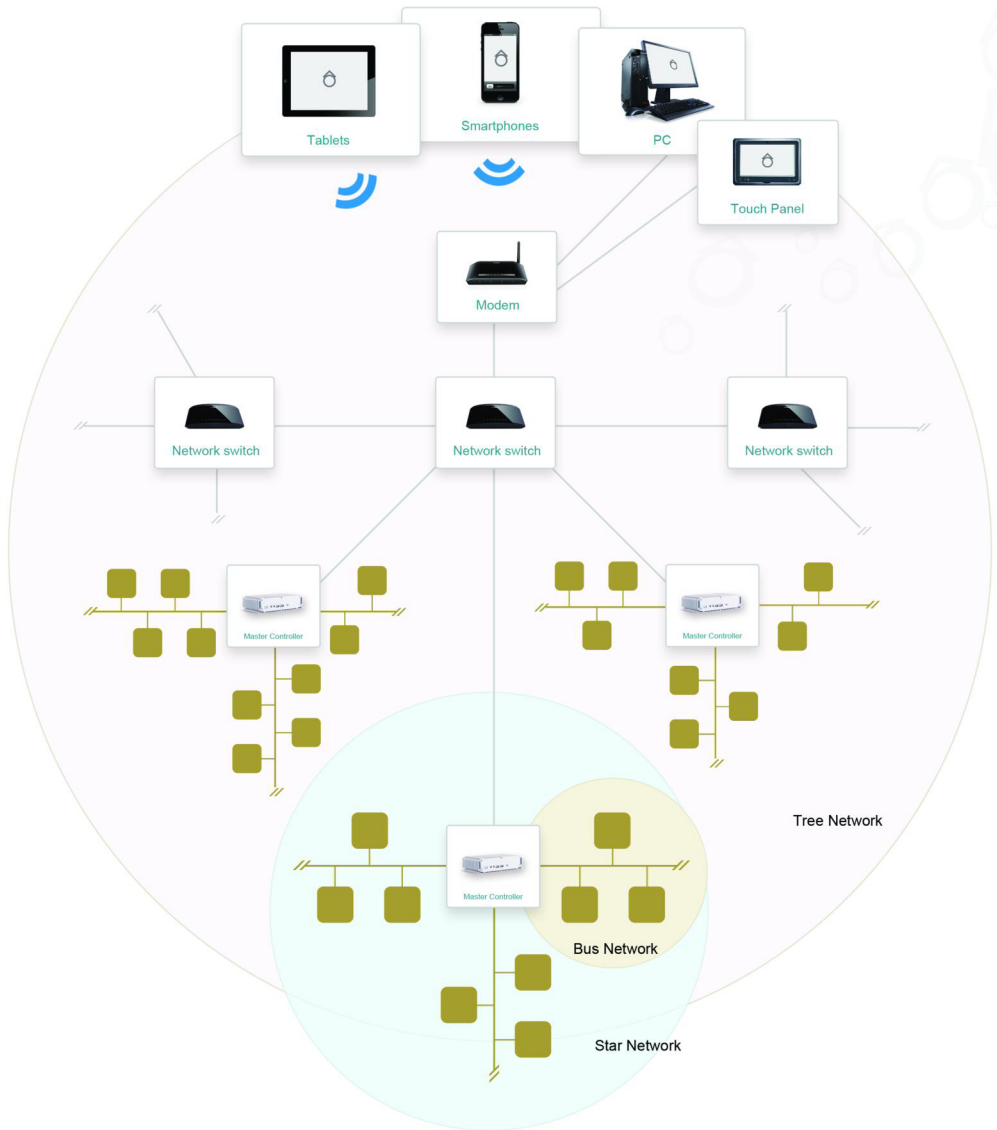
System Architecture

The system overview is illustrated in the following diagram. It is designed for flexibility and scalability. Easily upgrade new features and add-on functions by connecting variety of modules.



Hybrid Network Topology

Combination of 'Tree' like network, 'Star' like network and 'Bus' like network.





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