

# HIQ Hospitality Components

## HIQ controllers

| component         | description   | order code                | status    |
|-------------------|---|---------------------------|-----------|
| Master controller | 230 VAC, 11 IO, Enocean, 2 × RS232, RS485, IEX2 terminals | <a href="#">MC-230-01</a> | available |
|                   | 230 VAC, 11 IO, 2 × RS232, RS485, IEX2 terminals          | <a href="#">MC-230-02</a> | available |
|                   | 230 VAC, 11 IO, 2 × RS232, isolated RS485, IEX2 terminals | <a href="#">MC-230-04</a> | request   |
|                   | 24 VDC, 26 IO, 2 × RS232                                  | <a href="#">MC-24-05</a>  | available |
|                   | Hotel Room Controller 24 V DC                             | <a href="#">MC-24-H1</a>  | available |
|                   | 230 V AC, 14 IO, RS485, 2 Wiegand                         | <a href="#">MC-230-W</a>  | available |

## IEX Modules DIN rail

| component                          | description  | order code  | status                |
|------------------------------------|--|---|-----------------------|
| Light controller                   | 10 high power relay-controlled outputs                                   | <a href="#">LC-10-IQ-MK2</a>  | available             |
|                                    | 8 high power relay-controlled outputs                                    | <a href="#">LC-8-IQ</a>   | available             |
| Light dimmer                       | 4 channel universal lights dimmer controls up to 4 Eltaco LUD-12 dimmers | <a href="#">LD-P4-IQ</a>  | available             |
| DALI dimmer                        | 8 DALI groups dimmer   | <a href="#">LD-D8-IQ</a>  | available             |
| LED stripe dimmer                  | 4 channel 12/24V constant voltage LED dimmer                             | <a href="#">LD-V4-IQ</a>  | available             |
| DALI-2 application controller      | IEX-2 module, DALI-2 application controller                              | <a href="#">LC-DC2</a>  | available             |
|                                    | IEX-2 module, DALI-2 application controller, galvanic isolation          | <a href="#">LC-DC2-ISO</a>  | available             |
| Blinds controller                  | 5 blinds position controller   | <a href="#">BC-5-IQ</a>   | available             |
| I/O expansion module, Cybro family | 12 dig inputs, 6 an/dig inputs, 6 dig inputs/outputs                     | <a href="#">Bi-24</a>   | available             |
|                                    | 12 dig inputs, 12 relay 5A outputs                                       | <a href="#">Bio-24R</a>   | available             |
|                                    | 12 dig inputs, 12 transistor outputs                                     | <a href="#">Bio-24T</a>   | available             |
|                                    | 12 dig inputs, transistor outputs, 4 fast counter inputs, 6 PWM outputs  | <a href="#">Bio-24PWM</a>   | available             |
|                                    | 10 digital inputs, 10 relay 8A outputs                                   | <a href="#">Bio-20R-MK2</a>   | available             |
|                                    | 4x230V AC inputs, 8 relays 16A (lights)                                  | <a href="#">Bio-8R4</a>   | available             |
|                                    | Resistive inputs (RTD), 12xPt100/1000, Ni100/1000 or potentiometer       | <a href="#">AiR-12</a>  | available             |
|                                    | Voltage inputs, 12x0..10V  | <a href="#">AiV-12</a>  | available             |
|                                    | Current inputs, 12x0..20mA   | <a href="#">AiC-12</a>  | available             |
|                                    | Voltage outputs, 12x0..10V   | <a href="#">AoV-12</a>  | available             |
|                                    | Card reader interface  | 2 channel wiegand (card, QR, ANPR) reader module, 2x output, 4x input | <a href="#">CR-W2</a> |

| component                      | description   | order code                    | status    |
|--------------------------------|---|-------------------------------|-----------|
| A-bus converter                | A-bus RS232 to RS485 converter                          | <a href="#">CAD-232-A2-IQ</a> | available |
|                                | A-bus RS232 to RS485 converter                          | <a href="#">CAD-232-A3-IQ</a> | new       |
| Bus coupler                    | Connection between RJ9 and cable                        | <a href="#">CAD-BC</a>        | available |
| COM - various software options | Serial communication module RS232 - RS485               | <a href="#">COM</a>           | available |
|                                | Serial communication module IEX - RS232                 | <a href="#">COM-232</a>       | available |
|                                | Serial communication module IEX - RS485                 | <a href="#">COM-485</a>       | available |
|                                | Virtual serial communication module IEX - RS232 / RS485 | <a href="#">V-COM</a>         | new       |
| Bus extender                   | Connection between RJ9 and cable, surge protection      | <a href="#">BE-PROT</a>       | available |

## IEX Modules field

| component                       | description   | order code                      | status       |
|---------------------------------|---|---------------------------------|--------------|
| Scene controller                | Touch 4 scene controller  | <a href="#">SC-4T-IQ</a>        | available    |
|                                 | 4scene controller, using any brand of push buttons                          | <a href="#">SC-4S-IQ</a>        | available    |
| Thermostat                      | Touch room thermostat   | <a href="#">TH-1T-IQ</a>        | available    |
|                                 | Blind room thermostat   | <a href="#">TH-2-IQ</a>         | available    |
| Operator panel with LCD display | 2×20 characters, temperature, humidity, light sensor                        | <a href="#">OP-8</a>            | available    |
|                                 | wall mounting kit for OP-8 touch panel (aluminium)                          | <a href="#">OP-8 - WALL KIT</a> | project only |
| Entrance Control Unit           | RFID, QR code code readers, iBeacon transmitter, 4" graphical touch display | <a href="#">CR-D1-B</a>         | new          |
|                                 | RFID, QR code code readers, iBeacon transmitter                             | <a href="#">CR-D3-B</a>         | new          |
| Room Controll Unit              | Touch display 4", iBeacon transmitter, temperature sensor                   | <a href="#">CR-D2-B</a>         | new          |
| Touch Display Adapter           | 485 communication adapter for TGP, external temperature sensor              | <a href="#">TGP-S</a>           | new          |
| Temperature & Humidity sensors  | Temperature sensor, iBeacon transmitter, RS485 for touch display - white    | <a href="#">TS-S-WH</a>         | new          |
|                                 | Temperature sensor, iBeacon transmitter, RS485 for touch display - black    | <a href="#">TS-S-BK</a>         | new          |
|                                 | Temperature & Humidity sensor   | <a href="#">TS-H</a>            | available    |
| HVAC controller                 | 3 speed fan, 2 valves, binary/analog input, temperature input               | <a href="#">FC</a>              | available    |
|                                 | 3-speed fan coil actuator   | <a href="#">FC-1-IQ</a>         | available    |
|                                 | Modulating valve, 2 relay controller, binary analog input                   | <a href="#">FC-2</a>            | available    |

| component                          | description                                       | order code | status    |
|------------------------------------|---|------------|-----------|
| Switch inputs module, flush mount  | 4 switch inputs, 4 switch inputs/LED outputs      | SW-W3      | available |
|                                    | Compact remote input module with 4 digital inputs | SW-W4      | available |
| I/O expansions module, flush mount | 2 mains sense inputs 2 relay outputs 16A          | O2         | available |

## Wireless extension modules

| component                        | description   | order code | status    |
|----------------------------------|---|------------|-----------|
| Wireless DALI-to-DALI bridge     | DALI wireless bridge, multiple ballasts per bridge            | WD-1       | available |
| Wireless Modbus-to-Modbus bridge | Modbus wireless bridge,                                       | WM-1       | available |
| Wireless Modbus relay            | Wireless modbus relay   | WR-1       | available |
|                                  | Wireless modbus 5 relay, 1 digital input, 1 temperature input | WR-5       | available |

## RS485 modules

| component          | description  | order code   | status    |
|--------------------|--|--------------|-----------|
| Touch HMI          | 4 inch touch HMI panel 86mm box black frame                | TGP-4A-01-IQ | available |
|                    | 4 inch touch HMI panel 86mm box black frame, DIN dose 60mm | TGP-4D-01-IQ | available |
|                    | 7 inch touch HMI panel 86mm box black frame                | TGP-7A-01-IQ | request   |
| Power sensor       | 1-phase power sensor, DIN rail                             | PM1-E-D      | available |
|                    | 1-phase power sensor, DIN rail, CT                         | PM1-E-D-CT   | available |
|                    | 3-phase power sensor, DIN rail                             | PM3-E-D      | available |
|                    | 3-phase power sensor, DIN rail, CT                         | PM3-E-D-CT   | available |
|                    | 1-phase split core current transformer, 50A                | CT1-E-50     | request   |
|                    | 3-phase split core current transformer, 50..400 A          | CT3-E-XX     |           |
| Air Quality sensor | Temperature and humidity on wall sensor RS485              | RB-100-TH    | available |
|                    | Temperature, humidity, CO2 on wall sensor RS485            | RB-100-AQ    | available |

## Wiegand modules

| component          | description  | order code | status    |
|--------------------|--|------------|-----------|
| QR or RFID readers | QR code and 125kHz RFID reader, Wiegand 32b        | QR-FR-B    | available |
|                    | Card reader, 125kHz RFID, Wiegand, embedded module | CR-MR      | available |
|                    | Card reader, Mifare, Wiegand, embedded module      | CR-MM      | request   |

## IOT Linkers

| component               | description   | order code      | status    |
|-------------------------|---|-----------------|-----------|
| IOT Linker              | Quad-core A53, 1 GB RAM, 2 LAN, 1 USB, USB-C power supply                                       | IOT-L2-2        | available |
|                         | Quad-core A55, 4 GB RAM, 3 LAN, 2 USB, USB-C power supply                                       | IOT-L3-3        | available |
|                         | Quad-core A76, 4 GB RAM, 2 LAN, 1 USB, 12 V power supply  | IOT-L3-PRO      | available |
|                         | Quad-core A76, 16 GB RAM, 2 LAN, 1 USB, 12 V power supply                                       | IOT-L3-MAX      | new       |
| IOT linker power supply | Adapter 24 V DC for IOT-L2-2, IOT-L3-3 - 24 V DC (24 V DC input, USB-C 5 V output)              | IOT-PS-DC-USB   | available |
|                         | IoT Linker PSU for IOT-L2-2, IOT-L3-3 - 220 V AC / 5 V USB-C (Schuko plug input, USB-C output)  | IOT-PS-PLUG-USB | available |
|                         | IoT Linker PSU for IOT-L2-2, IOT-L3-3 - 220 V AC / 5 V USB-C (USB-C cable)                      | IOT-PS-DIN-USB  | available |
|                         | IoT Linker PSU for IOT-L3-PRO, IOT-L3-MAX - 220 V AC / 12 V DC (coaxial connector)              | IOT-PS-DIN-CPC  | available |
|                         | IoT Linker PSU for IOT-L3-PRO, IOT-L3-MAX - 220 V AC / 12 V CPC (Schuko plug input, CPC output) | IOT-PS-PLUG-CPC | available |

IoT Linker devices can be ordered with:

- **S-RMS** application (application for hotel rooms and access control), which does not include a license; building and per-room licenses must be added separately.
- **CWS** application (general SCADA application), which already includes a license but does not include the development of the SCADA application itself.

## Sensors & accessories - connect to I/O

| component          | description                  | order code    | status    |
|--------------------|------------------------------|---------------|-----------|
| Temperature sensor | Plastic 2m wire              | ES-P          | available |
|                    | Metal housing ip 67, 5m wire | ES-B          | available |
|                    | White housing                | ES-W2-WH      | new       |
|                    | Black housing                | ES-W2-BK      | new       |
|                    | White housing, terminals     | ES-W-OW-WH    | available |
|                    | Ivory housing, terminals     | ES-W-OW-IVORY | available |

| component                        | description   | order code   | status    |
|----------------------------------|---|--------------|-----------|
| Presence/Motion sensors          | On-wall & on-ceiling PIR sensor with no delay                               | IR-580-IQ    | obsolete  |
|                                  | Recessed ceiling PIR sensor, relay output                                   | IR-R-IW-WH   | available |
|                                  | Ceiling surface mounted PIR sensor  | IR-R-OW-WH   | available |
|                                  | On-wall or ceiling microwave sensor, NPN output                             | MW-T-OW-WH   | request   |
|                                  | Wired magnetic door/window opening sensor, visible                          | MOS-01       | obsolete  |
|                                  | Wired magnetic door/window opening sensor, hidden                           | MOS-02       | obsolete  |
|                                  | Wired magnetic door/window opening sensor, hidden, white (10 pcs per pack)  | MOS-03-HD-WH | new       |
|                                  | Wired magnetic door/window opening sensor, visible, white (10 pcs per pack) | MOS-04-VS-WH | new       |
|                                  | Wired magnetic door/window opening sensor, visible, black (10 pcs per pack) | MOS-04-VS-BK | new       |
|                                  | Wired magnetic door/window opening sensor, visible, white (10 pcs per pack) | MOS-05-VS-WH | new       |
|                                  | Wired magnetic door/window opening sensor, visible, black (10 pcs per pack) | MOS-05-VS-BK | new       |
| Push button wires                | Wires for connecting switches on SW-W3 / SC-4S-IQ, 20pcs                    | CAD-SW-IW-B  | obsolete  |
| Lightness sensor                 | Indoor lightness sensor, 0...10V output                                     | RHKF-U-IQ    | request   |
| Universal dimmer module (Eltaco) | Universal 230VAC light dimmer for LD-P4-IQ                                  | LUD12-IQ     | request   |

## Accessories

| component    | description                                       | order code | status    |
|--------------|---|------------|-----------|
| Bus cable    | 2.5 cm .. 3 m RJ9 to RJ9 bus cable                | CAD-Px     | available |
| Power supply | 24VDC / 1.5 A power supply                        | HDR-30-24  | available |
|              | 24VDC / 2.5 A power supply                        | HDR-60-24  | available |
|              | 12VDC / 2 A power supply                          | HDR-100-24 | new       |
| RFID cards   | RFID Card - 125 kHz                               | EM CARD    | available |
|              | RFID Card - 13.56 MHz                             | EM CARD-02 | new       |
| Wall box     | British Standard wall box for plaster wall        | PB-BS-1    | obsolete  |
|              | British Standard wall box for brick/concrete wall | WB-BS-1    | obsolete  |

| <b>component</b> | <b>description</b>  | <b>order code</b>        | <b>status</b> |
|------------------|---|--------------------------|---------------|
| Electric strike  | Electric Door Strike, 24 V DC, 200m A, 300 kg Holding Force                                       | <a href="#">EL-B</a>     | available     |
|                  | Electric Door Strike-Narrow version, 24 V DC, 200 mA, 300 kg Holding Force                        | <a href="#">EL-N</a>     | available     |
|                  | Electric Door Strike, 24 V DC, 200 mA, 300 kg Holding Force, with Micro Switch                    | <a href="#">EL-B-MS</a>  | available     |
|                  | Fire-Rated Electric Door Strike, 24 V DC, 200 mA, 400 kg Holding Force, 60 min                    | <a href="#">EL-F</a>     | available     |
|                  | Fire-Rated Electric Door Strike, 24 V DC, 200 mA, 400 kg Holding Force, with Micro Switch, 60 min | <a href="#">EL-F-MS</a>  | available     |
|                  | Electric Furniture Lock, 24 V DC, 0.9 A, with Integrated Micro Switch                             | <a href="#">EL-C-MS</a>  | available     |
| Demo Kit         | HIQ Hospitality Demo Case   | <a href="#">DK-HH-01</a> | new           |