

DATASHEET

ADQUIO DOORLINK SERVER

Local access management and gateway coordination



1 Ordering information

Reference	Description	Life cycle*
ADQ-DLS	Central DoorLink controller for local access management.	Available

* Available for new installations.

2 Dimensions



Parameter	Value
Dimensions (width × height × depth)	70 × 90 × 60 mm
Overall height in Mini drawing	110 mm

3 Technical data

Parameter	Value
Nominal / maximum supply	24 V DC / 28 V DC
Power connector	Removable terminal block, 5.08 mm pitch, 2 contacts
Protection	Reverse polarity; 3 A rated fuse

Parameter	Value
Processor / memory	Quad-core ARM Cortex-A7 / 512 MB DDR3
Storage	16 GB MMC and microSD

Parameter	Value
Consumption	90–150 mA at 24 V DC; maximum and start-up: 150 mA

CAUTION!



Exceeding the maximum power supply voltage for the process or supply voltages could cause **irrecoverable damage to the system**. The system could be **destroyed**."

CAUTION!



Inappropriate connection cables cause overheating at the terminals.

Adquio DoorLink Server units can be destroyed if an incorrect cable type, cable size, or cable temperature rating is used.

4 System data

4.1 Environmental conditions

Parameter	Value
Operating temperature	0 to +60 °C; horizontal DIN-rail mounting
Storage / transport	–40 to +70 °C
Relative humidity	95% maximum, non-condensing
Operating altitude / pressure	< 2000 m / > 800 hPa

4.2 Mechanical data

Parameter	Value
Mounting	Horizontal; 35 mm DIN rail or 4 mm screws
Enclosure / protection	Dark grey ABS UL-94-HB / IP20



4.3 Communications

Parameter	Value
Ethernet	1 port, 10/100 Mb/s
Wi-Fi radio	2.4 GHz

4.4 Certifications

Parameter	Value
Certifications	CE,, RoHS

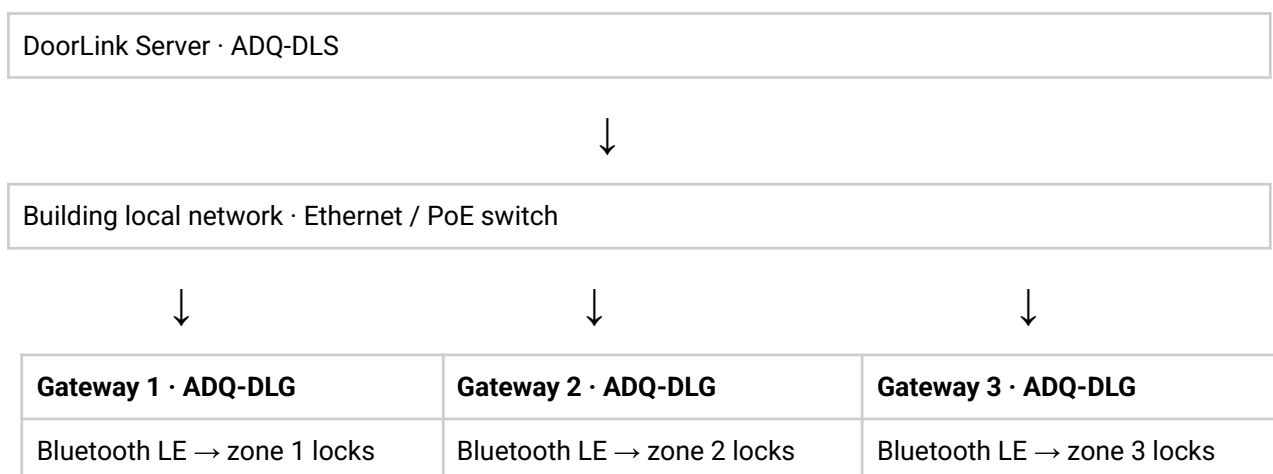
5 DoorLink functions

Parameter	Value
Management	Local web interface; users, permissions, locks and gateways
Credentials	PIN and IC card management, owners and validity, depending on model
Operation	Authorised unlocks, supported schedules and auto-lock
History	Command and event audit; diagnostics and status
Integration	Versioned HTTP JSON API and Adquio ecosystem connectivity
Security	Encrypted sensitive data, accounts and roles, sessions and technical credentials

5.1 Capacity and range

Parameter	Value
Gateways per DoorLink Server	30
Locks per gateway	30
Recommended Bluetooth range	20 m

6 Installation diagram



DoorLink Server is powered at 24 V DC; gateways are powered over Ethernet. Position gateways near the locks. The diagram shows three gateways as an example.

