

GAT IO 705x

Input-Output Expander

FACTS AT A GLANCE

- Two models to suit all applications:
 - GAT IO 7055: 16 inputs and 8 outputs
 - GAT IO 7054: 12 inputs and 4 outputs
- Up to 8 GAT IO 705x per GAT DC 7200 connectable
- Extended control of turnstiles and doors in combination with GT7 or GC7 devices
- Compact DIN-rail mountable housing
- RS-485 interface via structured cabling
- Flexible power supply options
- Installation near the door for reduced cabling
- Completely maintenance free



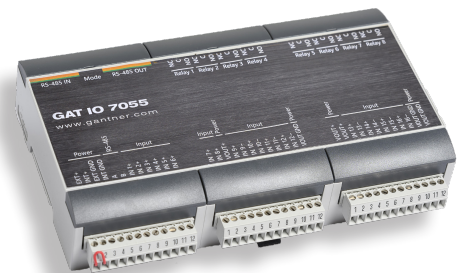
The GAT IO 705x expanders extend the digital input and output capability of the GAT DC 7200 access terminal or GC7 and GT7 devices. A maximum of 8 expanders can be connected to each controller thereby allowing completely new functions in the access system to be realized.

For example, the GAT IO 705x makes it possible to selectively activate individual floors for occupants in elevators so that the access authorizations for floors can be regulated. The full functionality of the GAT DC 7200 time control options can be used.

The GAT IO 705x can operate in conjunction with the GAT DC 7200 just as effectively for the control of lockers. The desired locker can be selected via the access control reader and the locker will only be opened if the person has the corresponding authorization.

In addition, the simple expansion of the inputs and outputs for standard GAT DC 7200 functions is also possible with the GAT IO 705x. So can, for example, additional alarms be issued as potential-free contacts or door states be made available as control signals.

GAT IO 7055



GAT IO 7054

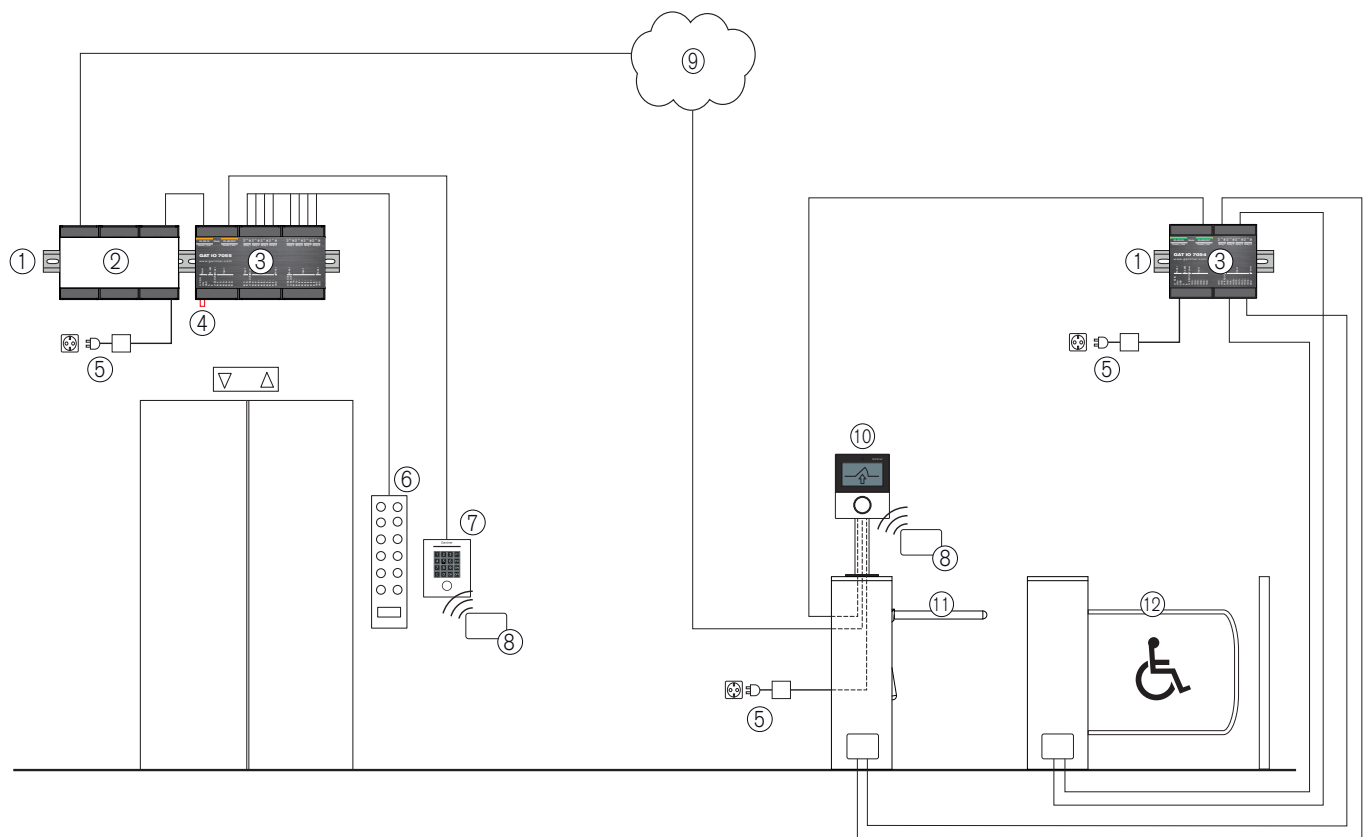


The GAT IO 705x connects to a GAT DC 7200 via a serial RS-485 interface and the ubiquitous RJ45 connectors. Each IO expander is delivered with a power bridge that allows power to be supplied from the GAT DC 7200 via structured cabling. As an alternative, a separate power supply can be connected to the GAT IO 705x in order to customize the local power requirements. The DIN-rail mountable housing and the ability to install the IO expanders in any location simplifies installation and reduces cabling expenditure.

The intelligent "Plug&Play PLUS" function ensures that configuration is performed automatically and autonomously. A faster and more convenient system simply does not exist. Never before have installation, maintenance, and service costs been so low with the added value for you so high as with the GAT IO 705x.



Typical Application



- 1 DIN rail
- 2 GAT DC 7200
- 3 GAT IO 705x
- 4 Power supply bridge

- 5 Power supply
- 6 Control of the elevator levels
- 7 GR7 reader
- 8 Data carrier

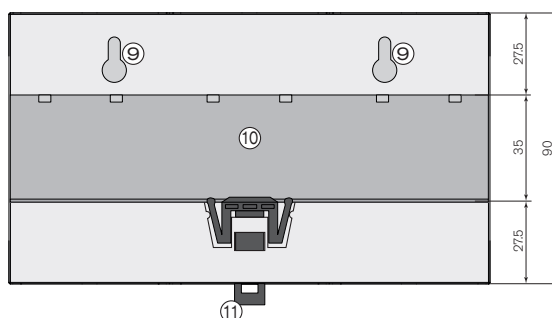
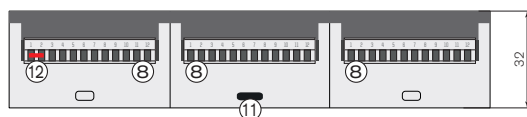
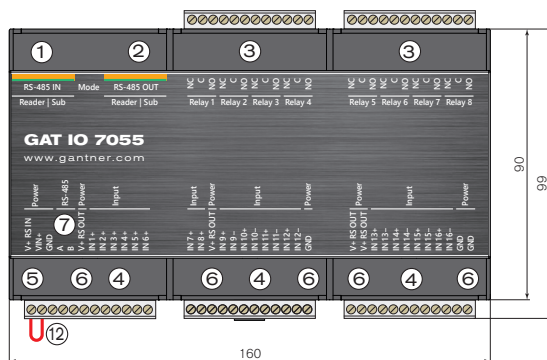
- 9 Network
- 10.....GT7 terminal
- 11....Turnstile
- 12....Access gate

Technical Data

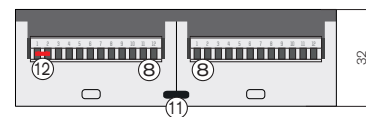
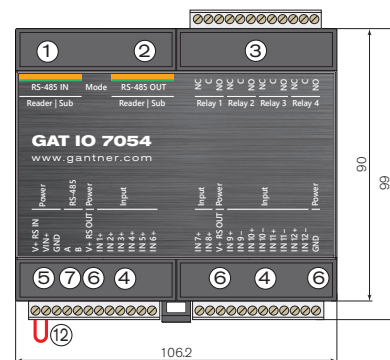
Nominal voltage:	DC 12 / 24 V (LPS and SELV)
Permitted voltage range:	DC 10 - 26 V
Permitted voltage range inputs:	DC 5 - 26 V
Current consumption:	1 A at 12 / 24 V
Signal inputs	
- GAT IO 7055:	8 optocoupler inputs and 8 non-floating inputs (function configurable)
- GAT IO 7054:	4 optocoupler inputs and 8 non-floating inputs (function configurable)
Max. inputs per controller	
- GAT IO 7055:	128
- GAT IO 7054:	96
Signal outputs	
- GAT IO 7055:	8 x relay outputs (function configurable)
- GAT IO 7054:	4 x relay outputs (function configurable)
Max. outputs per controller	
- GAT IO 7055:	64
- GAT IO 7054:	32
Protection type:	IP 30
Environment class (VdS 2110):	II (indoor conditions)
Compliance:	CE, FCC

Device Features and Dimensions

GAT IO 7055



GAT IO 7054



- 1 RS-485 IN (RJ45)
- 2 RS-485 OUT (RJ45)
- 3 Relay outputs
- 4 Digital inputs
- 5 Power supply input
- 6 Power output
- 7 RS-485 (screw terminal)

- 8 Screw terminal
- 9 Mounting point
- 10 ..DIN-rail holder
- 11 ..Locking latch
- 12 ..Bridge for supply voltage via structured cabling

Measurements in mm