GIRA Data sheet

Gira X1

Specification	Order No.	Packing unit	PS	EAN
DRA	2096 00	1	25	4010337023647

Features

- Visualisation server for mobile end devices (iOS and Android) and logic module in one device.
- Gira Smart Home App also available for PCs with Windows® operating system.
- Visualisation functions:Dimmer (RGB, RGBW, Tunable White), switch, button, blind and shutter with or without positioning, heating, air conditioning, scene auxiliary unit, scene set, IP camera, status display, value transmitter, percentage value transmitter, temperature value transmitter, sauna control, audio control, and A/C
- Up to 250 functions can be controlled via the app for each project.
- Up to 250 function clocks can be set by the user in the app.
- Up to 62 users can be created in user management.
- Presence simulation
- Voice control (Amazon Alexa and Google Assistant) in combination with Gira S1.
- Push notifications can be sent in combination with the Gira S1.
- Connection to Sonos and Philips Hue, limited to a maximum of 30 functions or a maximum of five Hue Bridges.
- Direct communication with Gira L1 to exchange information and values by Ethernet.
- Simultaneous access to the Gira X1 from 100 mobile end devices.
- Intuitive app user interface that can be adapted by the user.
- Logic functions: A range of functions is provided by the node library with 36 logic nodes (e.g. basic mathematical operations, solar tracking for shutters and blind control, temperature control, partition wall control, staircase lighting, random generator).
- Configurable logic nodes (e.g. freely selectable number of inputs).
- Logic module for Modbus TCP connection
- Easy parameterisation of timers and scenes:up to 50 timers with 10 switching times each.up to 50 scene sets with 64 scenes each.
- Up to 1450 data points can be used in one project (1000 KNX group address data points, 450 discretionary device data points).
- Optimised start-up:fast project changes and updates during operation with no need to restart the device.
- Two RJ45 jacks with a switch function help make looping the patch cord straightforward.
- KNX interface function to allow remote start-up of the ETC project.
- Readout of the current Gira X1 runtime project by means of GPA.
- Project backup:a copy of the project is saved to the Gira X1.
- Start-up:The physical address and application are parameterised using the KNX start-up software ETS from version 4.1.8.Gira Project Assistant (GPA) is used for further configuration. The Gira Project Assistant is available free of charge in the Gira download area.
- Functional expansions and updates via firmware and software updates.
- Push notification in combination with the Gira S1.

High security:

- Simple remote access/remote maintenance with the Gira S1.

Illustrations are similar and may deviate from originals.

- Remote access app/remote maintenance via integrated OpenVPN server
- Remote maintenance/remote maintenance via integrated OpenVPN server
- The device password protects the Gira X1 from unauthorised access.
- Encrypted TLS data transfer between app and Gira X1 as well as between GPA and Gira X1 prevents interception by third parties.
- Hardware prepared for KNX Secure. Future firmware update required.
- VDE certificate "Smart Home – Information Security Tested".
- Connection to Sonos with a maximum of 8 Sonos rooms incl. assignment and selection of favourites.
- Connection to Philips Hue with a maximum of 30 Hue consumers or a maximum of 5 Hue bridges.

Technical data

KNX medium:	TP256
Rated voltage:	DC 24 to 30 V
Power consumption:	4 W
IP communication:	Ethernet 10/100 BaseT (10/100 Mbit/s)
Supported protocols:	DHCP, AutoIP, TCP/IP, UDP/IP
Connections	
- IP:	2 x RJ45 jacks
- KNX:	Connection and junction terminal
Ambient temperature:	0 °C to +45 °C
microSD card	
- for SDK functions:	up to 32 GB (SDHC)

Notes

- Power supply by external DC 24 V.
- Gira X1 software extensions available in the Gira App ShopThe Gira X1 (item no.: 2096 00) is equipped with 250 functions and 1,000 data points in the standard scope of delivery. Chargeable add-on packages for the Gira X1 are available in the Gira App Shop (https://appshop.gira.com).

- Gira X1 software extension with 125 functions provides:Additional 125 functions and 500 extra data points, resulting in the Gira X1 having more than 375 functions and 1,500 data points.
- Gira X1 software extension with 250 functions provides:Additional 250 functions and 1,000 more data points, which then gives the Gira X1 more than 500 functions and 2,000 data points.

Gira X1 can be upgraded with both packages. Gira X1 then features a total of 625 functions and 2,500 data points.Each upgrade package can only be licensed once.
- Gira offers developers a range of tools to develop extensions for Gira's Smart Building products:

- Gira X1/L1 SDK logic node
- Gira IoT REST API

https://partner.gira.de/service/software-tools/developer.html

Dimensions

Modular width (MW):	2