

# DIVUS D+

## TECHNICAL DATASHEET



### GENERAL OVERVIEW

Web-based visualisation system for home and building automation based on the world wide bus standard KNX. Allows the full control of the connected modules through PC/MAC, TouchPanels, smartphones, tablets and any kind of device disposed of a working browser, as well locally as also remotely through internet.

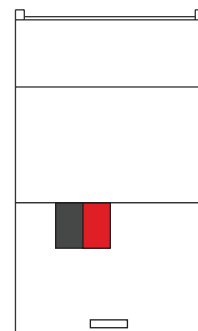
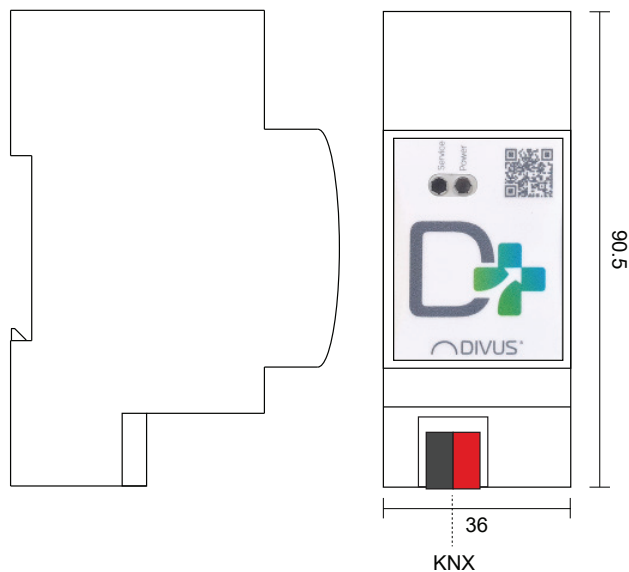
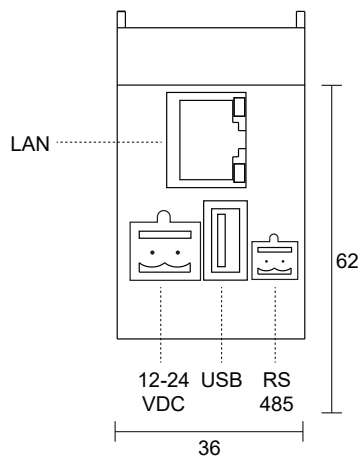
Customizable graphical interface with different themes, allowing to be adapted perfectly to the own expectations; optimized for the visualisation on different mobile and fixed devices. Direct import of the ETS project with simplified creation of the visualisation thanks to customizable import rules. Various extension possibilities thanks to functions like scenarios, time schedulings, logics, conditions, integrators, virtual objects, notifications on screen and via mail.

Configuration possible directly on the server as well as offline via PDK (available for free); the configuration and creation of the visualisation requires no special skills / knowledge.

### HARDWARE SPECIFICATIONS

Power Supply	12 ... 24 VDC Connector with screw connections Input with polarity protection	
Power Consumption	3W (240mA at 12V)	
Interfaces	KNX USB 2.0 LAN RS485	Standard KNX connector RJ45 interface (10/100Mbps)
LED	Green Red	Power- LED Service/ Reset
Protection Grade	IP 20 (following EN 60529)	
Protection Class	II (following EN 60335-1)	
Temp. Range (Usage)	+0°C ... +40°C	
Temp. Range (stocking)	-10°C ... +70°C	
Dimensions	90,5 x 62 x 36 mm (2 DIN modules)	
Material	Auto-extinguishing plastic case (AE)	
Supported Technologies	KNX (max. 1000 Group addresses <sup>1</sup> )	
Access & management	Web-Browser OPTIMA App (DIVUS Touch Panels) OPTIMA mobile App (iOS, Android)	

<sup>1</sup> 1250 with GA- Upgrade

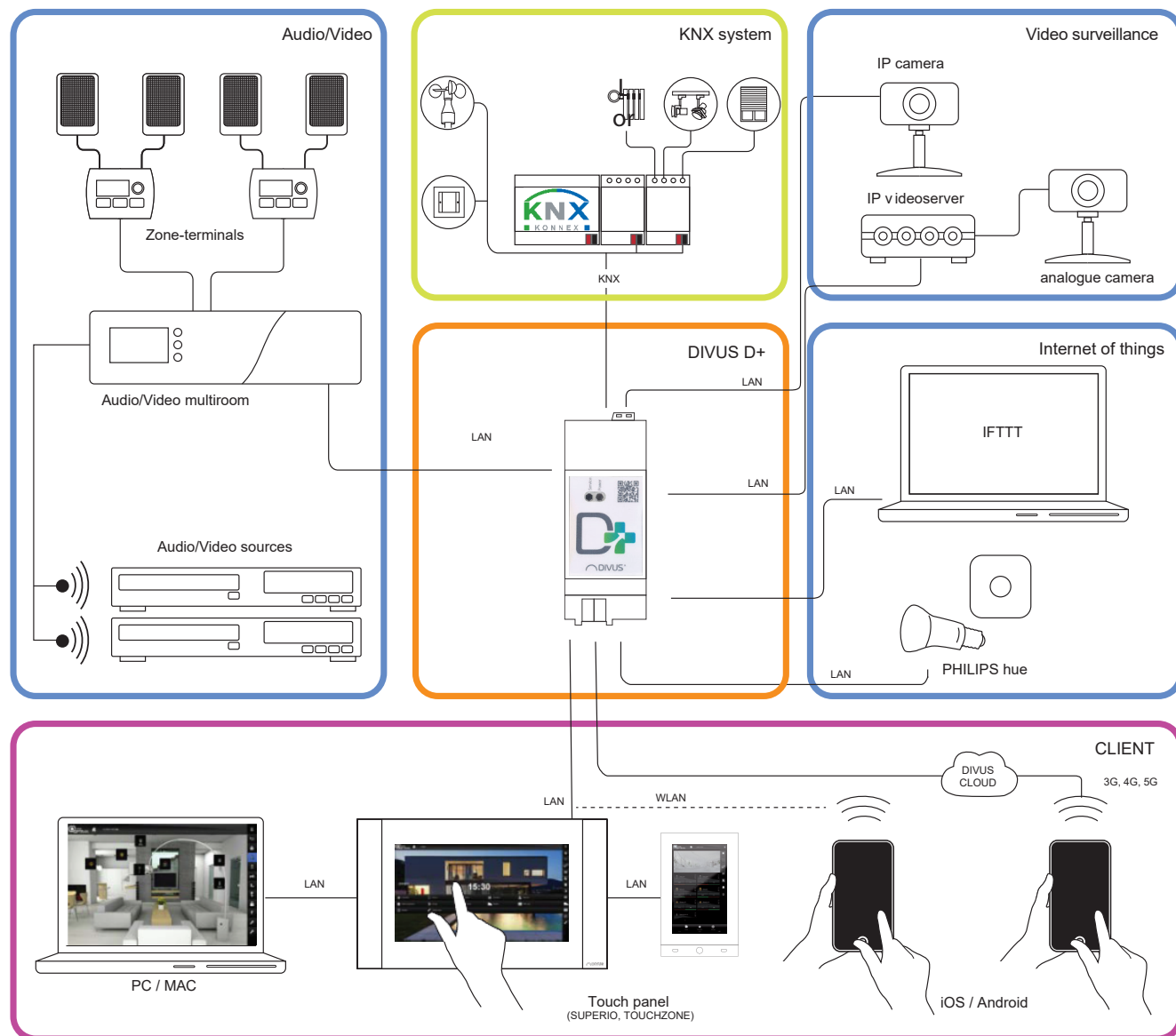


**D+ SUPPORTS:**

KNX Group Addresses <sup>1</sup>	1000
Sequences	100
Schedules	unlimited
Advanced Logics	3 logic programs with max. 15 tasks each
Energy counters	9
IP Cameras	25
Rooms	100
Data-Logging	15 Data points
Cloud	✓
Alexa, Google Home	✓
Sonos, HUE, IFTTT	✓
Presence simulation <sup>2</sup>	✓
Astronomic Clock <sup>2</sup>	✓

<sup>1</sup> Upgrade DIVUS D+ to 1.250 group addresses available  
<sup>2</sup> Release 2021

**WIRING DIAGRAMM**



**SOFTWARE SPECIFICATIONS**

Standard technologies	KNX, TCP - IP
User interface	Web / HTML5 (All operating systems) App support (iOS / Android)
Client amount	Unlimited (no additional license costs)
Parallel connections	Up to 20
Controllable elements	Illumination Heating / Cooling Door and window contacts Irrigation / sprinkling Thermo-control Alarm systems Energy management Load control Weather stations IP cameras Multiroom
Browser compatibility	Google Chrome Apple Safari Microsoft Edge
Supported operating systems	all
Gateway	Usable for KNX programming

**VISUALIZATION**

Layout	Different graphical themes Layout adapts to display resolution Automatic resize for mobile devices Support of touch and multitouch systems
Performance	Animations and graphical effects Support for HTML5 - caching Optimized for iOS and Android Access via Cloud
Navigation	Customizable graphical pages Navigation through rooms on different levels Navigation through functionalities Complex functions with pop-up controls Navigation menu customizable and always visible Single-click access for most important functions
Customization	Favourites Home Scenarios Time scheduling Backgrounds/ Planimetries
Notifications	OnScreen notifications Mail Push - Notifications
Further services	Online weather service IoT support (IFTTT, hue, Sonos)

## SETUP AND COMMISSIONING

Configuration possibilities	Online Offline through PDK (available for free)
Configuration interface (IDE)	Search function (by name and/or group address) Navigation menu with access to all functions Drag & drop Multi-Tab support for configuration of more than one object contemporarily
Setup and maintenance	Network Date / time Backup / restore of the project Language support Client- Configuration via QR-Code Software update via browser
KNX visualisation	Project import from ETS Automatic creation of the functions Import rules connected to the KNX group addresses ETS gateway functionality also through internet
Rooms / pages	Arbitrary amount of pages and rooms Layout in grid and background view Background pictures freely customizable Free positioning of the functions
Extended functionality	Scenarios including wait commands Complex objects for uniting functions Module for extended logic functions Virtual objects Scheduled operations
Timer / scheduling	daily schedulings Weekly and yearly schedulings Configuration interface for final user
Datalog	Periodic graphical representation (hours, days, months, years) Value comparison between different periods
Energy management	Support for KNX energy counter Support for KNX load controller Graphical display of consumption Value comparison and direct load control
Notifications	OnScreen notifications (3 level) Mails Push- notifications
Customization	Customizable graphical elements Different graphics selectable for the functions
Users and security	max. 10 users in max. 13 groups Free distribution of user permissions Automatic login thanks to trusted IP configuration SSL protected remote access
Graphic logic editor	Extended function blocks Step-by-step simulation