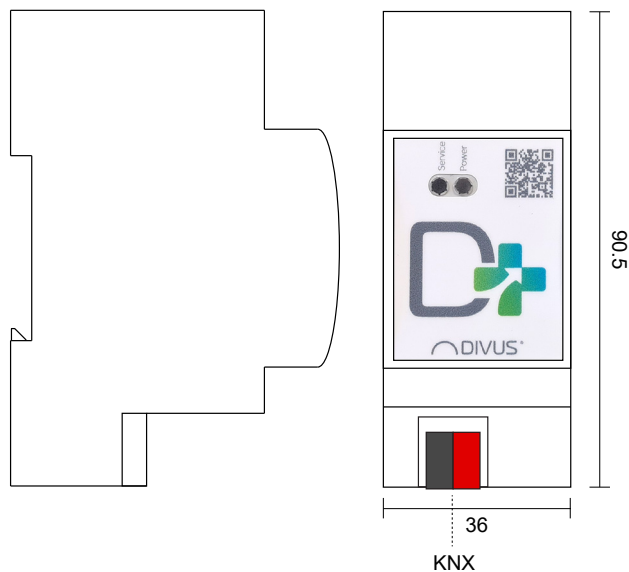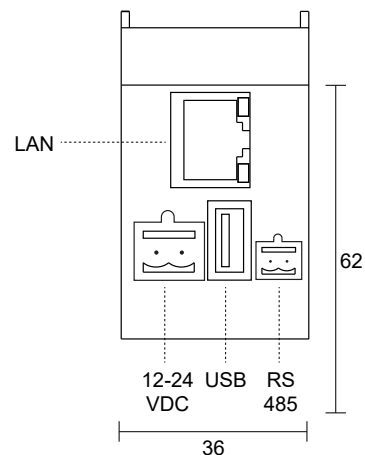# DIVUS D+

**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, as well as support for VoIP integrations.

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. Connection to systems of other manufacturers possible through various additional modules.

LAN

62

12-24 VDC | USB | RS 485

36

90.5

36

KNX

## HARDWARE SPECIFICATIONS

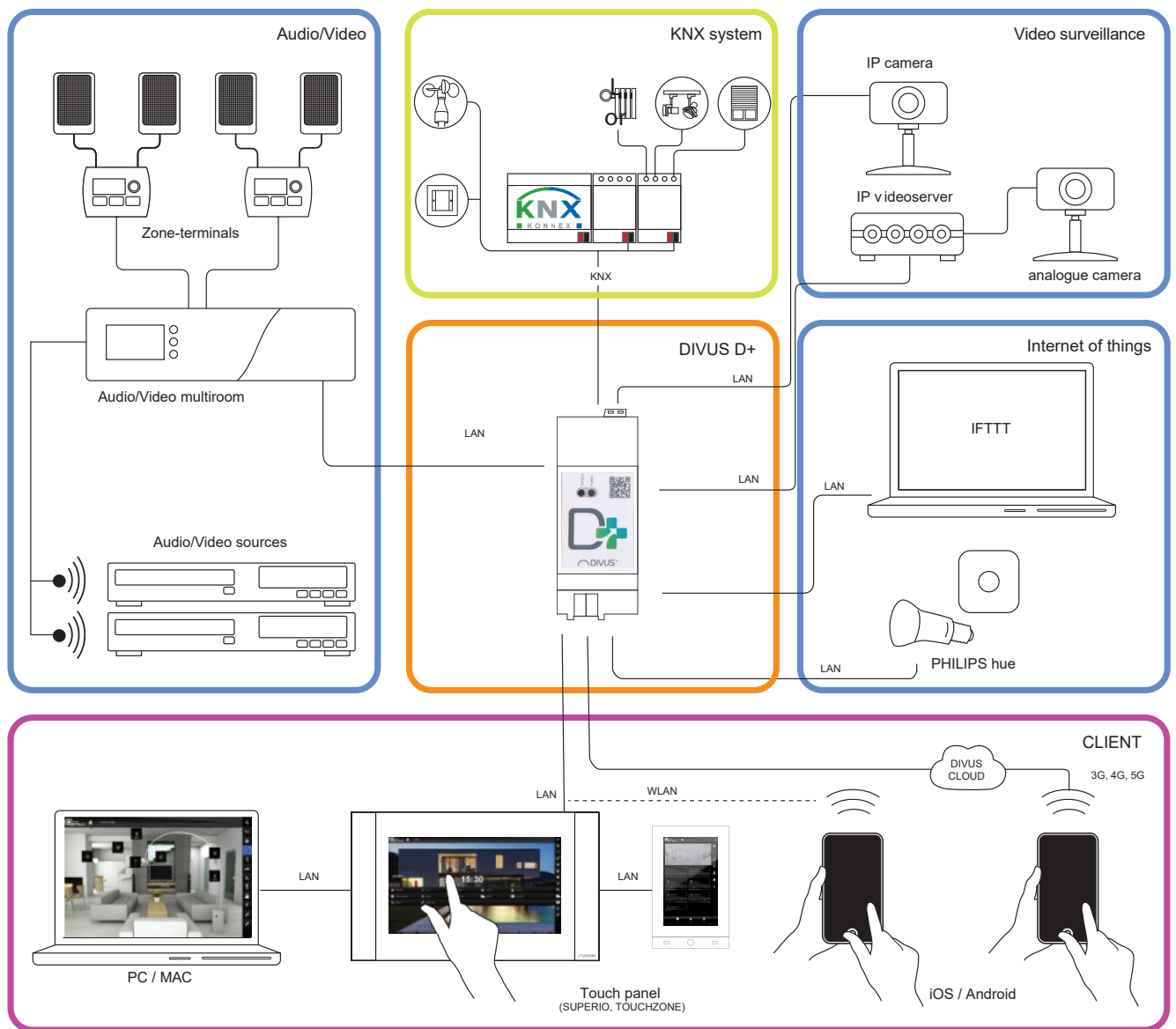| | |
|---|---|
| Power Supply | 12 ... 24 VDC<br>Connector with screw connections<br>Input with polarity protection |
| Power Consumption | 3W (240mA at 12V) |
| Interfaces | KNX Standard KNX connector<br>USB 2.0<br>LAN RJ45 interface (10/100Mbps<br>RS485 |
| LED | Green Power- LED<br>Red Service/ Reset |
| 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[1]) |
| Access & management | Web-Browser<br>OPTIMA App (DIVUS Touch Panels)<br>OPTIMA mobile App (iOS, Android) |

[1] 1250 with GA- Upgrade

## D+ SUPPORTS:

| | |
|---|---|
| KNX Group Addresses | 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[2] | ✓ |
| Astronomic Clock[2] | ✓ |

[2] Release 2021

## WIRING DIAGRAMM

## SOFTWARE SPECIFICATIONS

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

## VISUALIZATION

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

## SETUP AND COMMISSIONING

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