

KNX SUPERIO

STAND ALONE TECHNICAL DATA

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 the integrated touch display directly on the device, TouchPanels, smartphones, and tablets, 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 device 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.

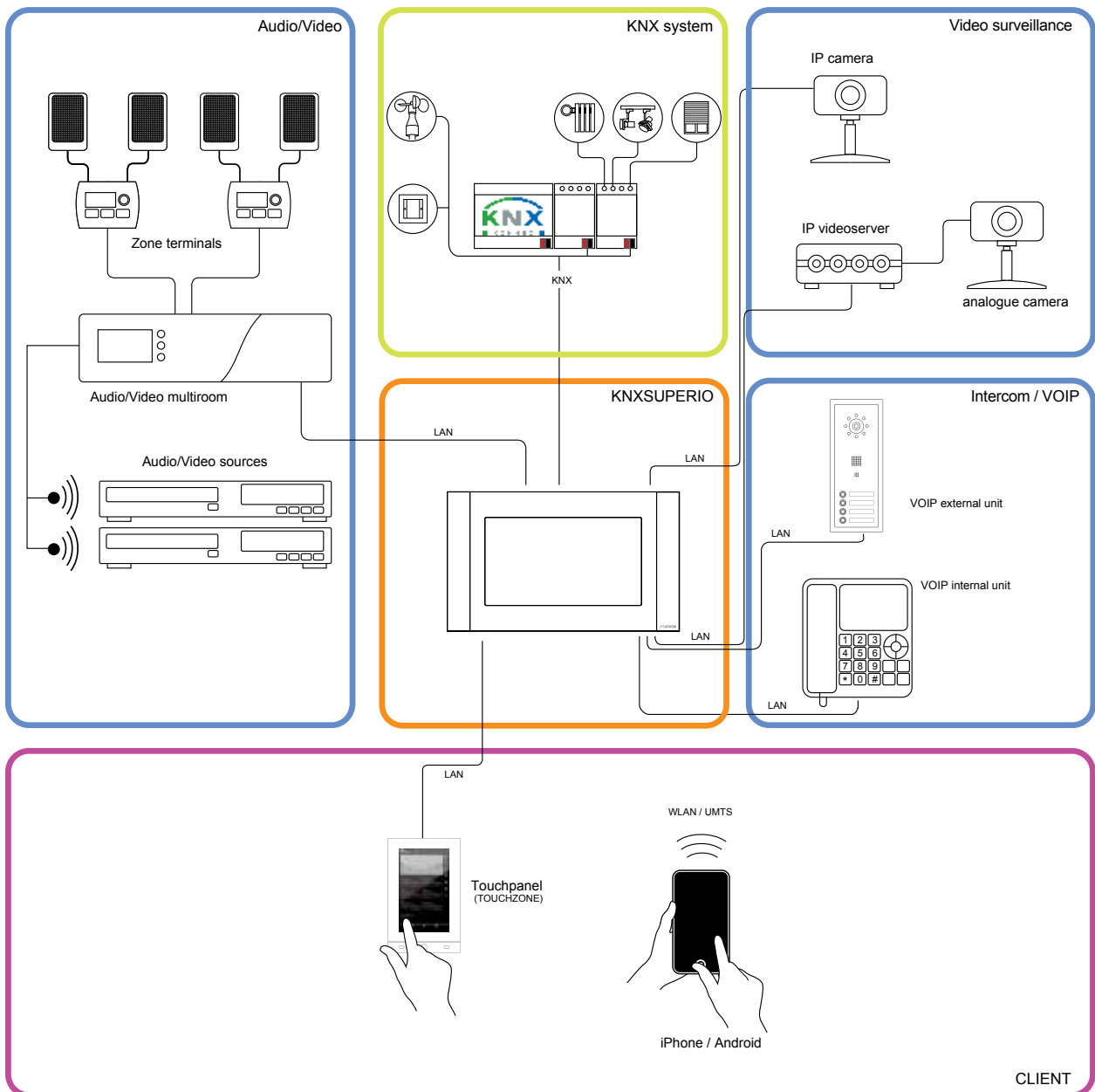
TECHNICAL DATA	KNX SUPERIO 10	KNX SUPERIO 15	KNX SUPERIO 19
Power supply	100 ... 240 VAC		
Power consumption	Max. 20W	Max. 50W	Max. 55W
Interfaces	KNX LAN (1x)	Connector with screw connections - Input with polarity protection RJ45 interface (10/100Mbps)	
Protection grade	IP 20 (following EN 60529)		
EMC	EN 55011, 55022, 500081		
Temp. range (Usage)	+0°C ... +30°C		
Relative humidity (Usage)	5% ... 80% at 25°C (no humidity/condense)		
Resolution	WSVGA 1024 x 600	WXGA 1366 x 768	WXGA 1366 x 768
Outside dimension with frame FSK [mm]	333 x 200	510 x 306	600 x 345
Number of KNX group addresses	750		
Number of scenes	100		
Number of time functions	100		
Energy counters	18		
IP cameras	UNLIMITED		
Rooms / pages	UNLIMITED		
Vibration / Shock resistance	15G / 50G		
Weight	4kg	7kg	9kg
Graphic logic editor	unlimited ¹		
Supported clients	iOS (APPLE): iPad, iPhone - ANDROID: all supported tablets, smartphones and DIVUS TOUCHZONE		
INTERCOM	1 outdoor intercom + 3 indoor intercom available		
Data collection	1 diagram with max. 5 data points, additional with diagrams with UP-DATALOG-SW		

¹ unlimited, if it allows the performance of the client device

² tested with more than 150 logic nodes

VERSIONS AND ORDER CODE

VERSION		10,1" - 25,7 cm	15,6" - 39,6 cm	18,5" - 47 cm
BLACK		KNX-DSK10-B	KNX-DSK15-B	KNX-DSK19-B
WHITE		KNX-DSK10-W	KNX-DSK15-W	KNX-DSK19-W



SOFTWARE SPECIFICATIONS

Standard technologies	KNX VoIP / SIP * TCP
Gateway	Usable for KNX programming
User interface	Web / HTML5 (All operating systems) App support (iOS / Android)
Client amount	Unlimited (mobile devices only)
Parallel connections	Up to 20 (can be raised on request)
Controllable elements	Illumination Heating / Cooling Door and window contacts Irrigation / sprinkling Thermo-control Alarm systems Energy management Load control Weather stations IP cameras Intercom Burglar protection Multiroom
Browser compatibility	Google Chrome Apple Safari
Supported operating systems	Microsoft Windows Apple Mac OSX Linux Apple iOS Google Android

(*) Requires additional module

VISUALISATION

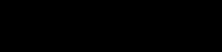


Layout	Different graphical themes Layout adapts to display resolution Automatic resize for mobile devices Support of touch and multitouch systems
Performance	Commands are sent in real-time** Animations and graphical effects Support for HTML5 caching Optimized for iOS and Android
Navigation	Customizable 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
Notifications	OnScreen notifications Mail Intercom
Further services	Weather preview RSS feeds Web browser Family board

(**) Performance may vary depending on the available network connection

SETUP AND COMMISSIONING	
Configuration possibilities	Online Offline through PDK (available for free)
Configuration interface (IDE)	Search function 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 (Italian / English / German) Selection of graphical themes and layout adaptations 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 Logic functions Value comparisons and conditions Virtual objects Integrators Customizable functions thanks to scripting support
Timer / scheduling	daily schedulings Weekly and yearly schedulings Configuration interface for final user
History / datalog*	Automatically for each object of the software 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 Visualisation of current load in real-time Value comparison and direct load control
Notifications	OnScreen notifications (3 level) Mails Intercom
VoIP - Intercom	Up to 20 SIP members Call groups Phone lines Automatical pop-up of incoming calls More than one video signal per external unit configurable Door opener Usable through SIP compatible smartphones
Connection to third-party software	URL SOAP M2M
Customization	Customizable graphical elements Different graphics selectable for the functions Integrated scripting routing for function extensions Import / export libraries for further usage
Users and security	Arbitrary amount of users Free distribution of user permissions Automatic login thanks to trusted IP configuration SSL protected remote access
Graphic logic editor	Extended function blocks Tested with more than 150 logic nodes

(*) Requires additional module

DESIGNFRAMES

	COLOR	BORDER COLOR	FSK10	FSK15	FSK19
Frame	black anodized border		FSK10-B	FSK15-B	FSK19-B
	RAL varnished border		FSK10-RAL	FSK15-RAL	FSK19-RAL
	black GLASS border		FSKg10-B	FSKg15-B	FSKg19-B

MOUNT BOXES

	IN WALL MOUNT BOX	IN MORTARLESS MOUNT KIT	IN MORTARLESS FLUSH MOUNT KIT
for DS10 – 10,1"	MS10	MS10T	MSK10W
for DS15 – 15,6"	MS15	MS15T	MS15W
for DS19 – 18,5"	MS19	MS19T	MS19W

TECHNICAL DATA

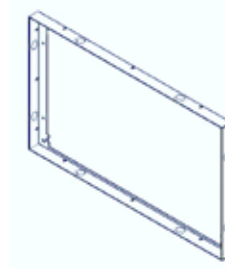
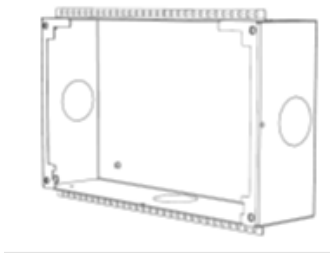
Type of design	compact, stable and flat wall mount box	compact mounting kit for mortarless constructions	compact flush mount kit for mortarless constructions NEEDS BACKSIDE CAVITY for VENTILATION
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DIMENSIONS [MM]

Cut-Out/fixing kit 10,1"	MS10 315 x 182 x 80	MS10T see template / 345 x 212 x 80	MSK10W 328 x 196 x 90
Cut-Out/fixing kit 15,6"	MS15 492 x 288 x 80	MS15T see template / 522 x 318 x 80	MS15W 506 x 302 x 90
Cut-Out/fixing kit 18,5"	MS19 582 x 327 x 80	MS19T see template / 612 x 357 x 80	MS19W 596 x 341 x 90
Weight	ca. 4kg	ca. 2kg	ca. 2kg

MECHANICAL CHARACTERISTICS

Wall mount box	steel plate with cover for clean installation	steel plate with pattern for easy installation	steel plate with pattern for easy installation
Cable access	1xtop, 1xbottom, 1xleft, 1xright	on the back	on the back



Grounding	in addition to the KNXSUPERIO even the MSxx needs to be professionally grounded
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INSTALLATION INSTRUCTION

The wall mount box and the mounting kit may be installed in a cut out in the wall, in a wooden structure thick at least 1,5 cm or in a dry mortarless construction. The cut out has to respect the sizes specified in the technical data and has to be at least 9 cm deep. In the wall cut out, the box can be built in while it can be screwed on in a piece of furniture. It is important that the fore edge of the MSxx is flat and horizontally to the surface of the wall or the piece of furniture.

UPGRADES UND ZUSATZMODULE

UPGRADES UND ZUSATZMODULE	UP-DATALOG-SW	DATALOG: In DIVUS OPTIMA it is generally possible to record electrical loads graphically. The UP-DATALOG-SW extends this feature, so that a free configuration of graphs of arbitrary values, such as temperatures, brightness, status feedback, percentage values etc. is possible. Various types of graphical representation are available, whereby the respective graphical output may be optimally adapted to the respective purpose. This allows the user to gain the easiest and fast way an overview of the current situation.
	UP-NFC	This upgrade enables the integration of NFC tags into DIVUS OPTIMA. For practical use, a smartphone with NFC support and installed OPTIMA app is necessary. Once a NFC tag is programmed in OPTIMA, it can be linked to various actions. As soon as the OPTIMA app recognizes the configured NFC tag with the used smartphone, corresponding actions are initiated. Since NFC tags are available in many different forms, there are no limits to creativity. For example, you can place a NFC sticker where you normally deposit your Android smartphone after you come home. OPTIMA will then recognize the NFC tag and the associated actions will be performed, such as: lights turning on or the blinds moving into the desired positions. This way, different actions can be activated with the smartphone; 5 NFC tags included.
	NFC-TAGS	10 pcs NFC tags to be used with UP-NFC