



DATASHEET: MAY 2022

KNX IQ

KNX STAND ALONE PANEL

VER.2.0
KNX IQ

KNX IQ

TOUCH PANEL FOR WALL MOUNT TECHNICAL DATASHEET



	DIVUS KNX-IQ08-IP	DIVUS KNX-IQ08-TP DIVUS KNX-IQ08-TPS
Type of design	DIVUS KNX-IQ08-IP BLACK - on wall mounted building touchpanel for visualization purposes; multitouch display and capacitive touch screen with optical bonding 20,32 cm - 8"; free DIVUS VISION, DIVUS IQ LAUNCHER, DIVUS VIDEO-PHONE, DIVUS KIBRO, DIVUS IP CAM VIEWER and DIVUS SCREENCLEANER apps included	DIVUS KNX-IQ08-TP/TPS BLACK - on wall mounted building touchpanel with KNX interface for visualization purposes; multitouch display and capacitive touch screen with optical bonding 20,32 cm - 8"; free DIVUS VISION, DIVUS IQ LAUNCHER, DIVUS VIDEOPHONE, DIVUS KIBRO, DIVUS IP CAM VIEWER and DIVUS SCREENCLEANER apps included
VERSIONS		
With Black cover glass	design glass black	
SOFTWARE		
Operating System	Android operating system	
FRONT UNIT	8,0" - 20,32 CM WIDESCREEEN LED BACKLIGHT TFT WITH OPTICAL BONDING	
Luminosity	350 cd/m²	
Contrast	800 : 1	
Resolution (in Pixel)	WXGA (1280x800)	
MTBF backlight	20.000 h	
Method of operating	projected capacitive touch screen with glass front, dual touch capable	
Rating	IP20 according EN 60529	
GENERAL CHARACTERISTICS		
Processor	Processor Onboard 1.5GHz ARM Cortex A53 QuadCore with integrated graphics controller	
Memory	Main memory 2 GB DDR SDRAM	
Power supply	12-32 VDC	
Power consumption without peripherals	max. 16 W	
Warranty	24 Months*	
DRIVES		
Storage medium	high speed Flash Memory 16GB eMMC (available disk space tbd)	
SENSORS		
Proximity sensor	integrated	
G Sensor for orientation	integrated	
Brightness Sensor	integrated	
MULTIMEDIA		
Input/output	2 x 1.5 Watt loudspeaker	
	2 x digital microphone	
Functionality	integrated Echo cancellation for bi-directional interphone communication	
INTERFACES		
LAN/Ethernet	1 x GbE on RJ45	
USB (Universal Serial Bus)	1 x USB 2.0 - USB OTG (1x ext)	1 x USB 2.0
Digital Input/Output	GPIO - 1 x input / 1 x output for 1 relais with max. 100 mA/5VDC for use with DIVUS VIDEOPHONE only	
Battery	battery free system - RTC with capacitor backup	
KNX	KNX IP-Router/Interface required	KNX-IQ08-TP : KNX TP interface included KNX-IQ08-TPS : KNX TP interface included with data secure

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DIVUS KNX-IQ08-IP		DIVUS KNX-IQ08-TP DIVUS KNX-IQ08-TPS
SURVEILLANCE		
Home button	1 x home button / reset	
AMBIENT CONDITIONS		
EMC	EN 55011, 55022, 500081	
Temperature	+0°C to +30°C max.	
Relative humidity	5% to 80% at 25°C (no humidity/condense)	
Authorization	CE	
DIMENSIONS		
Outside dimension [mm]	225 x 145 - depht outside the wall only 16 mm (including mounting adapter)	
Weight	1,0 kg	
MECHANICAL CHARACTERISTICS		
Mounting	Fast and easy one man mounting system with wall mount boxes Compatible with various mounting boxes: - Kaiser round box German standard 1555-04: 60 x 60 x 66 mm - DIVUS TOUCHZONE box MTZ07: 129 x 210 x 75 mm - Schneider Electric U.Motion box MTN6270-5001: 129 x 210 x 75 mm - Merten U.Motion box MEG6270-5001: 129 x 210 x 75 mm - Feller Home-Panel box Agro 9926.90: 195 x 140 x 56 mm - Italian Standard box type 503: 96 x 59 x 49,8 - ABB MT701 devices: retrofit for MT701 mounting boxes UP-KAST2: 212 x 124 x 75 mm	
PC Unit	EMC proofed	

*warranty ex works, normally 24 months, fixed at order. All data refer on print date, errors and changes excepted.

NOTE: Internal connections are intended as inside the box unit, normally on pin header, external ones as outside the box. Nevertheless, once mounted in the wall, only connections described as "front accessible" will be reachable for the customer.



KNX IQ

TECHNICAL DATASHEET SOFTWARE SPECIFICATIONS VISION



SOFTWARE SPECIFICATIONS

Standard technologies	KNX VoIP (SIP) *
User interface	DIVUS IQ LAUNCHER APP DIVUS VISION APP (Android / iOS / Windows Desktop) DIVUS VIDEOPHONE APP DIVUS IP CAM VIEWER APP DIVUS KIBRO APP DIVUS SCREENCLEANER APP
Controllable elements	illumination (on/off, dimming, RGB) Heating / Cooling Weather station IP cameras Intercom Shutter Venetian blinds Multiroom Generic values (on/off, percent etc.)
Sensors	Proximity detection Light intensity measurement (LUX) I/O intercom ring button input I/O intercom signalisation output
Functionalities	Weekly/Yearly time scheduling Datalog ** Two-Level configuration access (admin/user) Basic logical operations Astronomical clock Scenarios Notifications (Alarm, Warning, information) Notification list Presence simulation Favourites page Automatic main command for lights/shutters/music per room Automatic temperature average per room Room controller heating / cooling PIN protection CLOUD connection Backup / restore
Client App	DIVUS VISION App (Android / iOS / Windows Desktop)
IDE/Configuration software	DIVUS VISION App (Android / iOS / Windows Desktop)

OPERATION MODES

Supported Operation Mode	ETS MODE is available on DIVUS KNX-IQ08-TPS - Choose your mode on first setup FREE MODE is available on every model: DIVUS KNX-IQ08-IP, DIVUS KNX-IQ08-TP, DIVUS KNX-IQ08-TPS
Functionalities in FREE MODE	max. 300 elements max. 125 time schedules, approx. 10 commands each max. 55 logical expressions 10 mobile App users per installation 10 users (PIN codes) 12 thermostat logics last 25 notifications are shown
Functionalities in ETS MODE	max. 300 elements max. 125 time schedules, approx. 10 commands each max. 55 logical expressions 10 mobile App users per installation 10 users (PIN codes) 12 thermostat logics last 25 notifications are shown 1000 group objects 1000 group addresses

(*) VoIP server required (SIP)

(**) future developments