

**KVU8509****1-WAY KIT WITH ULTRA AND MASTER GW, APP, VIP**

Single-family kit with ULTRA audio/video external unit and number keypad, multi-user gateway and one master licence for ViP system. Suitable for installation in homes, commercial properties or offices. The kit can be expanded with other products in the ViP catalogue. When used in conjunction with the Comelit App (available to download free of charge from the Google and Apple stores), it can be used to answer calls directly from your smartphone/tablet, both locally and remotely, and to share virtual keys in number form or QR codes for opening the entrance door lock. The kit includes: 1 art. UT8020 - ultra IP audio/video module, 1 art. UT9172 - wall housing for 2 ultra modules, 1 art. UT9279M - ultra number keypad module, 1 art. 1456B - multi-user gateway for ViP system, 1 art. 1456B/M1 - single master licence for 1456B supplied on USB device, 1 art. 1441B - 30W power supply unit.

AWARDS



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PRODUCTS IN THE KIT



UT8020 IP (VIP) ULTRA AUDIO/VIDEO MODULE

Audio/video module for Ultra entrance panel, IP (ViP) system. Twilight sensor for automatic nameplate backlighting power-off during daytime hours. Omnidirectional digital microphone and dual loudspeaker for high-fidelity audio. Wide-angle colour video camera (field of vision: 160° horizontal, 90° vertical) and LED for night-time lighting. Audio-visual indications for disabled individuals assistance request can be activated via programming. Facility for 2 call buttons. To be finished with a cap, single button or double button in professional-grade plastic given an anti-yellowing and anti-dulling treatment or in aluminium. Regulation and programming without removing the module. Dimensions: 1 Ultra module. ULTRA, the new and most technologically advanced entrance panel offering maximum ease of installation. Available in flush-mounted (10 mm protrusion from the wall) or surface-mounted (just 35 mm protrusion from the wall) variants. Dimensions: 100x90x35 mm.

GENERAL DATA

Type	Modular
Height (inch) (in)	3.54
Width (inch) (in)	3.94
Depth (inch) (in)	1.38
Product weight (oz) (oz)	13.93
Product color	Aluminium, Black RAL9005, Transparent
Type of finishing materials	Polycarbonate, Aluminium alloy
Flush-mounted	Yes, with a dedicated accessory
Wall-mounted	Yes, with a dedicated accessory

COMPATIBLE SYSTEMS

Vip system	Yes
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AUDIO FEATURES

Microphone	MEMS audio digital sensor, omnidirectional
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AUDIO FEATURES

Loudspeaker	28mm (Ø), 8 Ohm, 1W (2)
Technologies implemented	Echo canceling, Noise reduction
Audio compression	G.711 A-Law

CAMERA FEATURES

Camera	Colors
Sensor type	1/2.7" CMOS - 2MP
Lens optical dimensions (in)	0.06
Angle of view (H x V - °)	160 x 90
Sensitivity	0.1 (color)
Video resolution	320x240, 480x272, 800x480, 1024x608
Video compression	H.264 baseline
RTSP server	Yes
Maximum number of RTSP clients	4
RTSP resolutions	1024x608, 800x480, 480x272, 320x240

ELECTRICAL CHARACTERISTICS

Type of power supply	PoE, External power supply
Supply voltage	33VDC
PoE power supply	36÷57VDC, standard PoE, Comelit PoE (56VDC)
PoE class	Class 0
Absorption in stand-by (W)	2.5
Maximum absorption (W)	6

HARDWARE FEATURES

Call type	Push-buttons
Type of buttons	Mechanical
Number of push-buttons (n°)	2
Backlight color	White, Off



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HARDWARE FEATURES

Clamps	TX- TX+ RX- RX+ V- V+ RTE GND/SE- SE+ COM NC NO
Number of inputs (n°)	1
Number of outputs (n°)	2
Type of outputs	Relay (C-NO-NC, 4A@12÷24 VAC/VDC, 10A peak), SE: unlock pulse of 4A, holding current of 200mA for 12VAC / DC locks (maximum impedance 18 Ohm)
Communication ports	Ethernet
Twilight sensor	Yes

SETTINGS

Loudspeaker volume	Yes
Microphone volume	Yes
Backlight brightness	Yes
Recording area	Yes

NETWORK AND COMMUNICATION PROTOCOLS

Type of LAN network	Ethernet 10 Mbit/s
IP address assignment	Auto IP, DHCP, Static
Protocols supported	DHCP, IPv4, NTP, RTSP, DNS, MQTTS

PROGRAMMING MODE

ViP Manager software	Yes
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ENVIRONMENTAL AND COMPLIANCE FEATURES

IP protection rating	IP65
Vandal Resistant rating (IK code)	IK08
Operating temperature (°F)	-13 ÷ 131
Operating humidity (RH max) (%)	25 ÷ 95
Environmental class	IV



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ENVIRONMENTAL AND COMPLIANCE FEATURES

Certifications	RoHS II - 2011/65/UE (EN IEC 63000:2018), EMC 2014/30/UE (EN 61000-6-1:2007 , EN 61000-6-3:2007+A1:2011)
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MAIN FUNCTIONS

Door opener	Yes
Number of auxiliary relays (n°)	1
Input for local door release button	Yes
Door open signaling input	Yes
Visual indications of system status	Yes
Acoustic signals of system status	Yes
Speech synthesis of system status	Yes



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UT9279M ULTRA NUMERICAL KEYPAD MODULE

Module with number keypad for Ultra entrance panel, compatible with all systems. Can be used as a module to directly call the user when the relevant code is known, and for the access control function with activation of the on-board relays and the audio or audio/video module outputs and the system actuators. The access codes can be Permanent (always valid), metered (valid for a specific number of uses) or associated with a validity date. In the latter case, each code can be assigned a start date/validity end date, dual daily time band, validity days. Each access code can be assigned up to 4 zones. The function enabling playback for the corresponding audio message when each button is pressed can be activated. There is also an event log containing all information (codes activated, user who used them, users called, etc.) which can store up to 1275 events. Has a Wiegand output for interfacing with access control systems. Automatic button backlight switch-off during daytime hours via the twilight sensor for the paired audio or audio/video module. Anodised aluminium alloy coating. Dimensions: 100x90x35 mm (1 Ultra module).

GENERAL DATA	
Type	Modular
Height (inch) (in)	3.54
Width (inch) (in)	3.94
Depth (inch) (in)	1.38
Product weight (oz) (oz)	14.11
Type of finishing materials	Polycarbonate, Anodized aluminum
Product color	Aluminium
Flush-mounted	Yes, with a dedicated accessory
Wall-mounted	Yes, with a dedicated accessory
COMPATIBLE SYSTEMS	
Audio/video Simplebus 2 with power supply art. 4888CU	Yes



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COMPATIBLE SYSTEMS

Audio/video Simplebus 2 with power supply art. 1210/1210A	Yes
Audio Simplebus 2 with power supply art. 1210/1210A	Yes
Audio Simplebus 1	Yes
ViP	Yes

ELECTRICAL CHARACTERISTICS

Type of power supply	Power supply from video door entry bus, External power supply
Supply voltage	12÷33VDC, 12VAC
Maximum absorption (W)	3.3
Absorption with 1 bistable relay activated (mA)	75
Absorption with 2 bistable relays activated (mA)	100

HARDWARE FEATURES

Call type	Digital
Type of buttons	Mechanical
Number of push-buttons (n°)	12
Backlight color	White, Off
Clamps	RK CK GND NO1 NC1 COM1 NO2 COM2 V- V+ D1 D0 IN GND
Number of inputs (n°)	2
Number of outputs (n°)	2
Type of outputs	Relay (C-NO-NC, 4A@12÷24 VAC/VDC, 10A peak)
Communication ports	Micro-USB, 1 x Wiegand

SETTINGS

Backlight brightness	Yes
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NETWORK AND COMMUNICATION PROTOCOLS

Wiegand	4 bit for each digit, no parity bit, with the addition of the digit "B" at the end of the string
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PROGRAMMING MODE

ViP Manager software	Yes
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ENVIRONMENTAL AND COMPLIANCE FEATURES

IP protection rating	IP65
Vandal Resistant rating (IK code)	IK08
Operating temperature (°F)	-13 ÷ 131
Operating humidity (RH max) (%)	25 ÷ 95
Environmental class	IV
Certifications	RoHS II - 2011/65/UE (EN IEC 63000:2018), EMC 2014/30/UE (EN 61000-6-1:2007 , EN 61000-6-3:2007+A1:2011)

MAIN FUNCTIONS

Door opener	Yes
Number of auxiliary relays (n°)	2
Input for local door release button	Yes
Access control via door opener code	Yes
Number of door opener codes (n°)	4000



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UT9172 WALL HOUSING FOR 2 ULTRA MODULES

Surface-mounted housing, 2 modules, for Ultra entrance panel. It consists of a metal support that secures the modules without using screws and a finishing frame in die-cast aluminium given a cataphoresis treatment to increase its resistance to chemical and environmental corrosion, including damage from UV rays. Just 35 mm protrusion from the wall. Dimensions: 110x198x35mm

COMPATIBLE SYSTEMS

Audio/video Simplebus 2 with power supply art. 4888CU	Yes
Audio/video Simplebus 2 with power supply art. 1210/1210A	Yes
Audio Simplebus 2 with power supply art. 1210/1210A	Yes
Audio/video Simplebus 1	Yes
Audio Simplebus 1	Yes
ViP	Yes

MAIN FEATURES

Height (inch) (in)	7.8
Width (inch) (in)	4.33
Depth (inch) (in)	1.38
Product weight (oz) (oz)	26.46

GENERAL DATA

Type of finishing materials	Metallic, Plastic, Die cast aluminum
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MOUNTING/INSTALLATION

Wall-mounted	Yes
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UT9212 DOUBLE ULTRA BUTTON



Double button for Ultra entrance panel. Made using polymethyl methacrylate given a treatment increasing resistance to UV rays while preventing yellowing and dulling. Double nameplate (blank and with a bell symbol) included. Easy nameplate replacement.

GENERAL DATA	
Height (inch) (in)	0.87
Depth (inch) (in)	0.29
Product color	Transparent
HARDWARE FEATURES	
Call type	Push-buttons
Backlight color	White



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1456B/M1 1 MASTER LICENSE FOR 1456B, VIP SYSTEM (USB KEY)

Single master license for 1456B supplied on USB device, ViP system.

MAIN FEATURES	
	Master
(n°)	1
	Yes



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1456B MULTI-USER GATEWAY FOR VIP SYSTEM

Gateway for sending video entry phone calls to ViP internal units, Smartphones/Tablets on which the Comelit App has been installed and GSM or landline telephones, subject to a SIP provider service subscription. Requires an Internet connection with adequate bandwidth. In order to use the functions of a 1456B, it is necessary to purchase as many separate licences as there are apartments to serve. The 1456B can manage 3 types of licence: Master, Slave and Phone. Each licence can be purchased in 5 different sizes (1, 10, 50, 100, 200) and can be added at any time. Art. 1456B manages up to 400 Master licences or up to 200 Slave or Phone licences. Calls can be forwarded to a maximum of 15 different devices per apartment, depending on the device type and the bandwidth available for transmission. The gateway has 1 Ethernet port for connection to the ViP system network, and 4 ports (including one POE) for the connection of internal units and routers, two selectable ports with POE and one non-POE port. It also has an input for 40-56 VDC power supply. Dimensions: 70x90x62 mm (4 DIN modules).

MAIN FEATURES	
Height (inch) (in)	2.44
Width (inch) (in)	2.76
Depth (inch) (in)	3.54
Operating temperature (°F)	23 ÷ 122
Operating humidity (RH max) (%)	25 ÷ 75
IP protection rating	IP30
DIN rail mounted	Yes
DIN modules (no.) (n°)	4

SOFTWARE/FIRMWARE SPECIFICATIONS	
IP assignment	AUTO IP, DHCP, STATIC

COMPATIBILITY	
Vip system	Yes

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Master: 400 max. Slave: 200 max. Phone: 200 max

CONNECTIVITY

Ethernet ports (n°)

5

ELECTRICAL SPECIFICATIONS

Supply voltage

48÷56 VDC

PoE power supply

Comelit PoE (56VDC)

Maximum current absorption (mA)

50



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1441B 30W VIP SYSTEM POWER SUPPLY UNIT

Power supply unit with 110Vac/240Vac input and 48Vdc output. 30W power. DIN bar power supply unit (4 DIN modules). Dimensions: 72x93x56mm

MAIN FEATURES

Supply voltage	110÷240 VAC
Output supply voltage	48VDC
Input connector	Terminal block
Applicable to DIN rail	Yes
Number of DIN modules (n°)	4

HARDWARE SPECIFICATIONS

Product weight (oz) (oz)	12.42
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GENERAL DATA

Height (inch) (in)	2.44
Width (inch) (in)	3.54
Depth (inch) (in)	2.76
Type of finishing materials	ABS
Product color	White RAL9010
Operating temperature (°F)	14 ÷ 122

COMPATIBILITY

Vip system	Yes
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AUDIO/VIDEO FEATURES

Audio/video system	Yes
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ELECTRICAL SPECIFICATIONS

Power supply	100 - 240 VAC
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ELECTRICAL SPECIFICATIONS

Switching power supply	Yes
Maximum current absorption (mA)	900
Maximum power delivered (W)	30

GENERAL FEATURES

DIN modules (no.) (n°)	6
DIN rail mounted	Yes
Visual signalling	Yes