

Comparison chart: Master modules

VT325, VT335i, VT336, VT825i, VT825ii, VT855i, VT855ii, VT960i, VT960ii are the monitoring units and can not connect to each other. For scalability please use extension units and embedded boards. All units except produced in DC / DC version.

- Built-in
- None
- ◻ Extension possible
- ◇ Not extendable

Versions	VT960i / VT960ii DC/DC; AC/DC	VT855i / VT855ii DC/DC; AC/DC	VT825i / VT825ii DC/DC; AC/DC	VT335i	VT336	VT325
Device Management: Web, SNMP, manually via SMS	Yes	Yes	Yes	Yes	Yes	Yes
Interface						
LAN: Ethernet 10/100 Mbit	Yes	Yes	Yes	Yes	Yes	Yes
OS: Linux	v.5.10	v.5.40	v.5.40	v.5.40	v.3.10	v.3.10
RAM:	1Gb	128Mb	128Mb	64Mb	64Mb	64Mb
CPU speed:	720mHz	600mHz	600mHz	600mHz	300mHz	300mHz
Total CPU cores:	4	1	1	1	1	1
Clock: Built-in clock	Yes	Yes	Yes	Yes	Yes	Yes
Watchdog: Built-in watchdog timer						
Max. amount of sensors: physical sensors, dry contacts, relays	400	150	150	100	30	6
Max. amount of elements: notifications, triggers, timers, logic, sensors, dry contacts, SNMP Get, SNMP Trap, Dial task, and other elements	2000	1000	1000	700	500	500
Protocol support						
Network protocols: DHCP; HTTP; HTTPS; DynDNS; SSL; SNMP v1, v2c, v3; SMTP; FTP; Syslog; RADIUS; OpenVPN	Yes	Yes	Yes	Yes	Yes	Yes
Modbus RTU	Yes	Yes	No	No	Yes	No
VPN: secure data communications; secure change of connection between LTE and LAN	Yes	Yes	Yes	Yes	Yes	Yes
Alerts / Notifications						
Alert types: E-mail, FTP log, Syslog, SMTP, SNMP Traps, SMS (Modem is ordered separately), Web-to-SMS,	Yes	Yes	Yes	Yes	Yes	Yes
A maximum number of "mail to" recipients in an E-mail notification:	50	20	20	20	10	10
A maximum number of "SMS to" recipients in an SMS notification: also the maximum amount of phone numbers	50	20	20	20	10	10
Virtual sensors						
Pings: Built-in function for server ping. Test the reach-ability of a host in a network.	Yes	Yes	Yes	Yes	Yes	Yes

IP cameras: Connect the IP MJPEG camera with a proxy via the master module. Only view, no record.	4	4	4	4	4	4
Get SNMP: Read data from external equipment via SNMP PDU GET (v1 /2c)	Yes	Yes	Yes	Yes	Yes	Yes
User keys: Add users who have access using an RFID reader.	Yes	Yes	Yes	No	Yes	Yes
Logic schemes: Used to specify automatic actions to events that occur in the system.	Yes	Yes	Yes	Yes	Yes	Yes
Timers: Allows you to plan the events in the system.	Yes	Yes	Yes	Yes	Yes	Yes
Triggers: Generate events in the system if logic is triggered.	Yes	Yes	Yes	Yes	Yes	Yes
SNMP traps	Yes	Yes	Yes	Yes	Yes	Yes
Virtual Math element (combine several sensor data and calculate new data)	Yes	Yes	Yes	Yes	Yes	Yes
Logic schemes	Yes	Yes	Yes	Yes	Yes	Yes
Modbus TCP/IP: read / write	Yes	Yes	Yes	Yes	Yes	Yes
Power						
Power input:	90-230V	90-230V	90-230V	12V	12V	12V
Power input DC:	24 ÷ 48V	24 ÷ 48V	24 ÷ 48V	12V	□	□
Fuse: Fuse at the inlet	1A	1A	1A	1A	□	□
Max. power consumption:	30W	30W	10W	10W	12W	6W
The maximum current load on the relay:	10A	10A	10A	250mA	250mA	250mA
Redundant power supply: built-in voltage monitor, voltage range 9-12.6V.	Yes AC/DC DC/DC	Yes AC/DC DC/DC	Yes AC/DC DC/DC	Yes DC 12V	□	□
Outputs						
Relay outputs: latching relays 240V*10A	2	2	2	□	□	□
Relays outputs: 12V 0.25A	2	2	2	2	2	2
Max. dry contact outputs (contact closures/digital outputs)	8	8	□	□	□	□
Audio output: AV OUT	1	□	□	□	□	□
Video output: AV OUT	1	□	□	□	□	□
Inputs						
Analog port: 6P6C for connection of an analog sensor.	8 built-in ports, up to 16 on CAN bus extension unit	8 built-in ports, up to 16 on CAN bus extension unit	8 built-in ports, up to 16 on CAN bus extension unit	4 built-in ports, up to 16 on CAN bus extension unit	6 built-in ports, up to 16 on CAN bus extension unit	2 built-in ports only
CAN port: Max number of sensors Use CAN-12V-1A for connecting more than 12 devices.	32	32	32	32	20	□

Dry contact inputs:	up to 32 on built-in extension, up to 64 on CAN bus Dry contacts unit	up to 32 on built-in extension, up to 64 on CAN bus Dry contacts unit	up to 32 on built-in extension, up to 64 on CAN bus Dry contacts unit	4 built-in, up to 64 on CAN bus Dry contacts unit	4 built-in, up to 64 on CAN bus Dry contacts unit	2 built-in only
Modbus RTU (RS-485): Max. line length 1000m	1 built-in port, up to 50 sensors	1 built-in port, up to 50 sensors	<input type="checkbox"/>	<input type="checkbox"/>	1 built-in port, up to 50 sensors	1 port by Modbus extension board
Reader 1-Wire	1 built-in port	1 built-in port	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 port by 1-Wire extension board
Video	VT960i	VT855i	VT825i	VT335i	VT336	VT325
Video cameras:	AV, x2 USB, x4 IP	USB, x1 IP	USB, x1 IP	USB, x1 IP	USB, x1 IP	USB, x1 IP
Video power supply: DC 12V 0,25A for analog camera	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other connectors	VT960i	VT855i	VT825i	VT335i	VT336	VT325
Ethernet port: 10/100Mbit	Yes	Yes	Yes	Yes	Yes	Yes
USB 2.0 Type A	1	1	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USB 2.0 micro	1	1	1	1	1	1
Switch Normal / Recovery: returns the device to factory settings	<input type="checkbox"/>	Yes	Yes	Yes	Yes	Yes
FEL button: softly restarts the SATA drive	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shutdown button: Softly shuts down the device.	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External Memory	VT960i	VT855i	VT825i	VT335i	VT336	VT325
SD card slot (SDHC up to 32Gb)	Yes	Yes	Yes	Yes	No	No
SD card slot (SDXC up to 128Gb)	Yes	Yes	Yes	Yes	No	No
SD card formatting function (FAT32)	Yes	Yes	Yes	Yes	No	No
SATA Drive: 2.5" HDD or SSD (ordered separately)	Yes	No	No	No	No	No
Extensions (modules are ordered separately)	VT960i	VT855i	VT825i	VT335i	VT336	VT325
SATA: 2.5" HDD or SSD (ordered separately)	Yes	No	No	No	No	No
Modem (extensions)	VT960i	VT855i	VT825i	VT335i	VT336	VT325
4G LTE modem: ordered separately.	VT790	VT790	VT740	VT740	VT770	<input type="checkbox"/>
Modem modes: <ul style="list-style-type: none"> Gateway: Internet access Access: Internet access over LTE SMS: SMS notifications 	Gateway / Access / SMS	Gateway / Access / SMS	Gateway / Access / SMS	Gateway / Access / SMS	Access / SMS	SMS (external modem)

Embedded onboard sensors	VT960i	VT855i	VT825i	VT335i	VT336	VT325
Temperature sensor: +/- 1 °C Case temperature.	Yes	Yes	Yes	Yes	Yes	Yes
Power supply voltage sensor: Accuracy (1%)	1	Main & Reserve	Main & Reserve	Main & Reserve	1	1
Alarm LED: Programmable LED	No	Yes	Yes	Yes	No	No
Analog sensor power reset: resets smoke sensors	Yes	Yes	Yes	Yes	Yes	Yes
Environmental characteristics						
Operating temperature: -10 to 80 °C	Yes	Yes	Yes	Yes	Yes	Yes
Storage temperature: -25 to 85 °C	Yes	Yes	Yes	Yes	Yes	Yes
Operating humidity: 0 to 90 %, non-condensing	Yes	Yes	Yes	Yes	Yes	Yes
Storage humidity: 0 to 95 %, non-condensing	Yes	Yes	Yes	Yes	Yes	Yes
Other Features						
Installation:	19" 1U	19" 1U	19" 1U	Desktop	DIN rail	Desktop
Dimensions (L x W x H) in mm:	440*44*120	440*44*90	440*44*90	180*35*80	160*90*58	95*35*80
Weight:	2 kg	1,5 kg	1,5 kg	0,7 kg	0,4 kg	0,4 kg
External chassis grounding: M4 thread	Yes	Yes	Yes	Yes	□	Yes
Web interface (panels)						
Dashboard panel:	Yes	Yes	Yes	Yes	Yes	Yes
Overall statistics panel:	Yes	Yes	Yes	Yes	Yes	Yes
System tree panel: sensors and devices displayed in a hierarchy	Yes	Yes	Yes	Yes	Yes	Yes
Dry outputs panel:	wth VTx32 extension	wth VTx32 extension	Yes	No	Yes	No
Dry inputs panel:	Yes	Yes	Yes	Yes	Yes	Yes
Event log panel:	500 logs	300	300	300	200	200
Logic scheme panel:	Yes	Yes	Yes	Yes	Yes	Yes
Cameras panel:	Yes	Yes	Yes	Yes	Yes	Yes
Map panel:	Yes	Yes	Yes	Yes	Yes	Yes
Users panel:	Yes	Yes	Yes	Yes	Yes	Yes
CAN configuration panel:	Yes	Yes	Yes	Yes	Yes	No
Graphs panel:	Yes	Yes	Yes	Yes	Yes	Yes
Reset smoke detectors panel:	Yes	Yes	Yes	Yes	Yes	Yes
Preferences panel: Web GUI, Network, Time, Logging, DynDNS, SNMP, RADIUS, FTP backup, VPN Client, Modbus RTU, GPS, SMTP, Routing						
System menu panel: About, Firmware, Export, Support	Yes	Yes	Yes	Yes	Yes	Yes

List of latest sent SMS messages:	500	200	200	150	100	100
Supported Vutlan environmental sensors						
Temperature, Outdoor Temperature, Humidity, Water leakage, Wind speed meter, Access sensor, Door sensor, Water Level, AC / DC current meters, AC voltage monitor, Smoke detector, Vibration, Motion / PIR, Converter	Yes	Yes	Yes	Yes	Yes	Yes

- Built-in □ None Extension possible ◇ Not extendable