

# 01

# BMS CONTROLLERS

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## EasyIO Controllers

The EasyIO F Series forms the core of these programmable controllers with features to deliver security, connectivity and programmability. **NO license fees, no recurring fees, EVER!**

- Unlicensed programming tool
- SQL Lite database
- Built-in HTML graphics
- Built-in BACnet server and client on IP and MS/TP, Modbus server on TCP, and RTU
- Supports Modbus, BACnet, TCom, RESTful API, and MQTT
- Built-in OpenVPN server/client



### FS SERIES

With a 1.2 GHz quad core processor, 512MB RAM, 8GB flash memory, HTML graphics, a suite of applications and kits, and multifunctional widgets, the EasyIO FS provides unparalleled performance and allows for flexible design, enabling secure integration at both BMS and IoT levels.

Product Code	Product Information
EasyIO-FS-32	EasyIO+C6:H2O Server Class multi protocol Controller, 32 Points, 16UI, 8UO, 8DO Quad core processor, HTML5 graphics
EasyIO-FS-20	EasyIO Server Class multi protocol Controller, 20 Points, 12UI, 6UO, 2DO Quad core processor, HTML5 graphics



### FW SERIES

The EasyIO FW (WiFi) series has the latest IT network and security standards and can be used as part of an existing network or as an isolated BMS network with WiFi. The FW series supports BACnet IP client/server, BACnet MSTP client/server, and Modbus TCP/ RTU M/S, as well as Sox, TCOM, P2P and MQTT. The FW series also features HTML5-ready dashboards and can be programmed live via CPT.

Product Code	Product Information
EasyIO-FW-28	EasyIO WiFi Controller, 28 Points, 16UI, 4AO, 8DO, Bacnet IP & MSTP/Modbus RTU, HTML5 dashboards
EasyIO-FW-14	EasyIO WiFi Controller, 14 Points, 8UI, 4AO, 2DO. Bacnet IP & MSTP/Modbus RTU, HTML5 dashboards
EasyIO-FW-08	EasyIO WiFi Controller, 8 Points, 4UI, 4AO, Bacnet IP & MSTP/Modbus RTU, HTML5 dashboards
EasyIO-FW-08V	EasyIO WiFi VAV Controller, 8 Points, 4UI, 4AO, built-in pressure sensor, Bacnet IP & MSTP/Modbus RTU, HTML5 dashboards
EasyIO-FW-ANT-1	Single Antenna with cable and Magnetic base
EasyIO-FW-ANT-2	Double Antenna with cable and Magnetic base



### FT SERIES

The FT-04 product range is a versatile, small form factor controller. WiFi only, it can be used to extend control to hard to reach equipment, utilized in small spaces, localized lighting control, remote IO, temperature control and monitoring, on/off control of equipment, residential applications or just about anything that needs connectivity, and supports live programming and commissioning.

Product Code	Product Information
EIO-FT-04A-5	EasyIO Controller, 4 points (2 x UI, 2 x AO), Bacnet IP, WiFi, Sedona, HTML5 dashboard - 5 units
EIO-FT-04B-5	EasyIO Controller, 4 points (2 x UI, 1 x AO, 1 x DO), Bacnet IP, WiFi, Sedona, HTML5 dashboard - 5 units
EIO-FT-CLIP-5	Din-Clips 5 pieces



2 x 2.4 x .75 (inches)

**EasyIO**<sup>®</sup>

## FC, FD SERIES AND ACCESSORIES

Product Code	Product Information
EasyIO-FC-20	The EasyIO FC-series is aimed at affordable canned solutions for stand alone applications, such as Roof Top Units, Fan Coils, AHUs, package units etc
EasyIO-FD-20i	The FD-20i provides input point expansion capacity for all FS and FW series controllers
EasyIO-FR-02	For floating control, add the optional FR-02 module, a relay module that can be din rail mounted. It allows 1 analog input from a controller to provide floating control via two built-in relays

## HMI DISPLAYS

### 10" and 7" Android touch panels with Wi-Fi & Ethernet

Providing a slim and sleek profile for easy mounting, the device is equipped with an advanced processor for smooth and high-speed performance. These android touch panels feature a large capacitive touch screen for easy viewing.

Product Code	Product Information
EI-SH-SysView10	Touch Panel SH-SystemView10 with Wifi, Ethernet, 10 inch new design, with bracket
EI-SH-SysView7	Touch Panel SH-SystemView7 with Wifi, Ethernet, 7 inch new design, with bracket

# Imagine the possibilities— and make them real



Discover a breakthrough approach to controlling systems and buildings. Use the EasyIO platform to control an application or an entire system, a piece of equipment or an entire plant, a room or an entire building. With open standards and open source features, EasyIO helps deliver optimal facility performance.

## iSMA CONTROLLI SYSTEM

Powered by Niagara the iSMA-B-MAC36NL hybrid IoT controller with 36 I/O, HDMI port, 2 USB and RS485 port, provides control, data logging, alarming, scheduling, integration and visualization and can work as standalone mini-BMS supervisory controller.

With protocols like BACnet IP, Modbus TCP, LON IP, M-Bus IP, etc. all supported, the iSMA-B-MAC36NL offers endless possibilities of integration between different systems like HVAC, access control, lighting, CCTV, and many others.

### MAC36NL CONTROLLERS

Product Code	Product Information
iSMA-B-MAC36NL	Controller hardware, 1xRS485, 2xETH, 2xUSB, 1xHDMI, 1xSD card slot, 16xUI, 4xDI, 8xDO, 8xAO. Power supply 24 V AC/DC.
iSMA-B-MAC36NL-RS	Controller hardware, 2xRS485, 2xETH, 2xUSB, 1xHDMI, 1xSD card slot, 16UI, 4DI, 8DO, 8AO. Power supply 24 V AC/DC.
iSMA-B-MAC36NL-M	Controller hardware, 1x M-Bus, 1xRS485, 2xETH, 2xUSB, 1xHDMI, 1xSD card slot, 16xUI, 4xDI, 8xDO, 8xAO. Power supply 24 V AC/DC.
iSMA-B-SD-NL	SD card dedicated for iSMA-B-MAC36NL controllers. Used to store and move configuration files and licenses. Required to start the controller.

Standard software models include Open Drivers: BACnet IP and MSTP, LON, KNX-IP, M-bus, Modbus all types, oBiX, OpenADR, SNMP, Z-Wave. BUILT-IN 36 I/O - do not reduce the core license capacity. The Initial 18 months maintenance license is mandatory to order. It is not required to renew after it expires

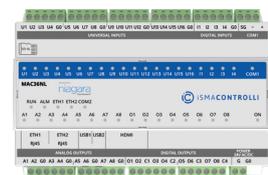
Product Code	Product Information
iSMA-B-MAC-L-100	Niagara Core License for iSMA-B-MAC Controllers - 100 Niagara Proxy Points (requires iSMA-B-MAC-100-M0 maintenance)
iSMA-B-MAC-100-M0	iSMA-B-MAC-L-100 - Initial 18 month maintenance. Must be purchased in conjunction with initial Core software. Optional 3 or 5 year maintenance may be substituted.
iSMA-B-MAC-L-250	Niagara Core License for iSMA-B-MAC Controllers - 250 Niagara Proxy Points (requires iSMA-B-MAC-250-M0 maintenance)
iSMA-B-MAC-250-M0	iSMA-B-MAC-L-250 - Initial 18 month maintenance. Must be purchased in conjunction with initial Core software. Optional 3 or 5 year maintenance may be substituted.
iSMA-B-MAC-L-500	Niagara Core License for iSMA-B-MAC Controllers - 500 Niagara Proxy Points (requires iSMA-B-MAC-500-M0 maintenance)
iSMA-B-MAC-500-M0	iSMA-B-MAC-L-500 - Initial 18 month maintenance. Must be purchased in conjunction with initial Core software. Optional 3 or 5 year maintenance may be substituted.
iSMA-B-MAC-L-1250	Niagara Core License for iSMA-B-MAC Controllers - 1250 Niagara Proxy Points (requires iSMA-B-MAC-1250-M0 maintenance)
iSMA-B-MAC-1250-M0	iSMA-B-MAC-L-1250 - Initial 18 month maintenance. Must be purchased in conjunction with initial Core software. Optional 3 or 5 year maintenance may be substituted.

### DEMO EQUIPMENT

Product Code	Product Information
iSMA-B-MAC-L-DEMO	iSMA-MAC36NL controller with unlimited points and protocols, for partner engineering and demo use only. Not for end user sales. 18 months Initial maintenance included.



powered by  
**niagara**  
 framework®





## JACE 8000

This JACE 8000 controller leverages all of the features of the Niagara Framework®. It adds to the enhanced user experience, maximizing Niagara's advantages in delivering HTML5 views, charting, and other aspects of data visualization. It offers robust security and improved device management capabilities. With a simple configuration, toolless installation, low-cost integration, and high-powered performance, the JACE 8000 controller is a radical evolution in connecting and controlling devices worldwide.

Product Code	Product Information
iSMA-B-J8-100	JACE-8000 controller with capacity of 100 Proxy Points, 18 months Initial maintenance included.
iSMA-B-J8-250	JACE-8000 controller with capacity of 250 Proxy Points, 18 months Initial maintenance included.
iSMA-B-J8-500	JACE-8000 controller with capacity of 500 Proxy Points, 18 months Initial maintenance included.

## EDGE 10

The Edge 10 is an IP-based field equipment controller, also powered by the Niagara Framework®. Niagara Edge 10 controllers drive applications such as zone temperature control, and the operation of fan coil units, single stage air handling units, water-source heat pumps and more. Niagara Edge 10 controllers run the full Niagara stack, with 10 points of on-board IO and IO-R-34 expansion capability.



Product Code	Product Information
iSMA-B-EDGE-10	Niagara Edge 10 field controller with 10 points of onboard IO, 1 RS-485 serial port, and 2 10/100 Ethernet ports. Includes Niagara N4 and drivers for BACnet, Modbus and SNMP. Supports up to 3 devices and 50 total points. Tridium EMEA Branded.

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**iSMACONTROLLI**

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**sedona**  
FRAMEWORK™



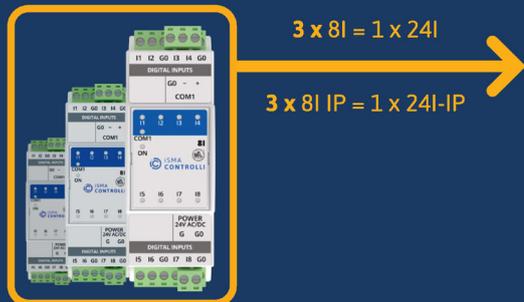
LICENSED & FREWARE SOFTWARE BUNDLES



# The new MAX Multiprotocol I/O Modules

Coming soon!

3x  
Faster installation  
Easier to maintain  
Less cabling  
The Same great features!



## 120-H and 120-H-IP key features

**Multiprotocol I/O Modules**  
with maximum number of digital outputs

**Manual Override Switches**  
Each output can be manually overridden using a dedicated hand operating switch.

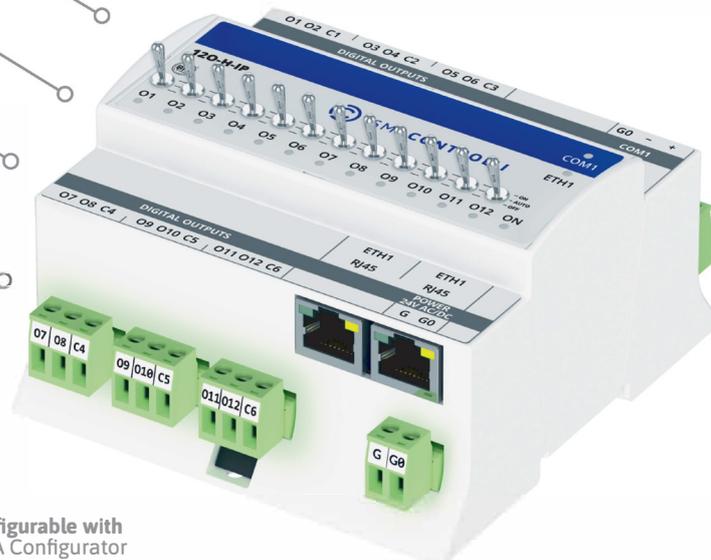
**12 Digital Outputs**  
Digital outputs equipped with NO 3 A relays allow for direct control of HVAC applications.

**Ethernet interface with built-in switch**  
Two Ethernet ports working in a switch mode allow for daisy chaining multiple modules over RJ45, which enhances the cabling process and reduces engineering time.

**Open Protocols Standard**  
MAX I/O modules work as remote or distributed I/Os over IP or RS485 with open protocols: BACnet and Modbus.

**Open protocols standard**  
offers a versatility of installing the modules in both new and existing facilities, whether it is a system expansion or a retrofit.

**Modbus TCP/IP to Modbus RTU/ASCII Gateway**  
Built-in Modbus gateway on the COM1 port enables integration of up to 128 Modbus slave devices to the IP layer.



Configurable with iSMA Configurator



## HMI DISPLAYS

Product Code	Product Information
iSMA-D-PD10C-B1-UK	10.1" LCD touch display, 10-point touch screen, Aspect Ratio 16:9, 1366x768 resolution, 1xHDMI, 1xVGA, 1xDVI, 1xI/O Audio, 1xRJ45-USB for touch input. Aluminium alloy housing in black with laser-printed "ISMA" logo. DC power supply 12 V or 24 V (AC power supply 110-240 V included - UK plug type)
iSMA-D-PA7C-B1-UK	7-inch screen panel PC with Android. Built-in iSMA application with user management functions and "Kiosk Mode". 10 point touch screen (CTP), 16:9 aspect ratio, 1024x600 resolution, 250 nit standard brightness. Built-in: WiFi, 1xRJ45, 2xRS232, 3xUSB, 1xHDMI, 1xTF/SD. Aluminium alloy housing in black with laser-printed logo, VESA compliant. Power supply 12 V DC, (110 V - 240 V AC power supply included - UK plug type).
iSMA-D-PA10C-B1-UK	10.1-inch screen panel PC with Android. Built-in iSMA application with user management functions and "Kiosk Mode". 10-point capacitive touch panel (CTP), screen Aspect Ratio 16:9, Resolution 1366x768, standard luminance 300nit. Built-in: 1xRJ45, 2xRS232, 2xUSB, 1xTF/SD card. Black colour aluminium alloy housing material with laser printed 'ISMA' logo, VESA compliant. Power supply 12 V DC (110 V - 240 V AC power supply included - UK plug type).
iSMA-D-PA15C-B1-UK	15.6-inch screen panel PC with Android. Built-in iSMA application with user management functions and "Kiosk Mode", 10-point capacitive touch panel (CTP), screen Aspect Ratio 16:9, Resolution 1920x1080, standard luminance 300nit. Built-in: 1xRJ45, 2xRS232, 2xUSB, 1xTF/SD. Black colour aluminium alloy housing material with laser printed 'ISMA' logo, VESA compliant. Power supply 12 V DC (110 V - 240 V AC power supply included - UK plug type).
iSMA-D-PEN-ACC	HMI screens accessory: Stylus for capacitive displays. Magnetic and self-adhesive holder included.

## iSMA TOOL FOR SEDONA FREEMWARE CONTROLLERS

Product Code	Product Information
iSMA-B-CH-TR-1Y	Annual Support fee and renewal of Demo equipment and Workbench licenses for partner. The accounting period is fixed, each year begins on 1 March. In the absence of payment for the next period, all Demo licenses expire at the end of February.
iSMA-B-CH-TR-1M	"Annual Support fee and renewal of Demo equipment and Workbench licenses for partner. Per month in first year before renewal."








# Training at IBC

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## RAC CONTROLLERS

With 18 I/O's on board, the RAC18-IP is a multifunctional device providing comfort in a single room or zone and, thanks to the built-in Nano EDGE ENGINE cutting-edge software, the controller can work on multiple applications simultaneously.

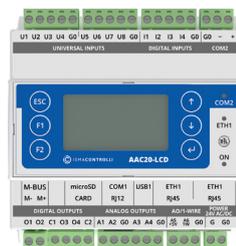
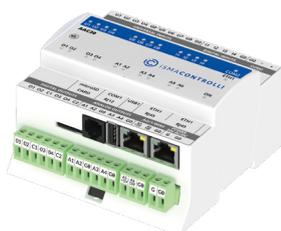
RAC offers a set of libraries and components tailored to create cycle-driven user applications and provides an automatic BACnet exposure and real-time programming. Maintenance and programming of the device are possible from anywhere in real time with a dedicated, free-of-charge tool. The RAC18-IP ensures an easy replacement process with a system and applications on a removable SD card.

Product Code	Product Information
<b>RAC18-IP</b>	Free programmable Room Application Controller, 1xRS485, 2xETH (fail-safe protected), 1xUSB, 4xUI, 4xDI, 5xDO, 3xAO, 2xTO. Power supply 24 V AC/DC.

## AAC20 SEDONA FRAMEWORK FREELY PROGRAMMABLE CONTROLLER

The iSMA-B-AAC20 controller is equipped with 22 I/O. The application for control algorithm can be created and modified in real-time by free software iSMA Tool or by standard Niagara AX Workbench. As an Integration Controller, iSMA-B-AAC20 can be a platform for integration and control of Modbus (RTU, ASCII, TCP), BACnet (MS/TP, IP), 1-Wire, M-BUS (Option) and DALI (Option) devices. This controller has 2x Fast Ethernet ports with switch mode.

Product Code	Product Information
<b>iSMA-B-AAC20</b>	Free programmable Advanced Application Controller, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.
<b>iSMA-B-AAC20-D</b>	Free programmable Advanced Application Controller, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 1xDALI (built-in power supply max.130 mA), 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.
<b>iSMA-B-AAC20-M</b>	Free programmable Advanced Application Controller, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 1xM-Bus interface (built-in power supply up to 20 meters), 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.
<b>iSMA-B-AAC20-LCD</b>	Free programmable Advanced Application Controller with LCD, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.
<b>iSMA-B-AAC20-LCD-D</b>	Free programmable Advanced Application Controller with LCD, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 1xDALI (built-in power supply max.130 mA), 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.
<b>iSMA-B-AAC20-LCD-M</b>	Free programmable Advanced Application Controller with LCD, 1xRS485, 2xETH, 1x1-Wire, 1xUSB, 1xM-Bus interface (built-in power supply up to 20 meters), 8xUI, 4xDI, 4xDO, 4/6x AO. Power supply 24 V AC/DC.



**iSMA-B-AAC20**

powered by functionalities

### HVAC & Plant Control Solution



BMS CONTROLLERS

IO MODULES

VALVES & ACTUATORS

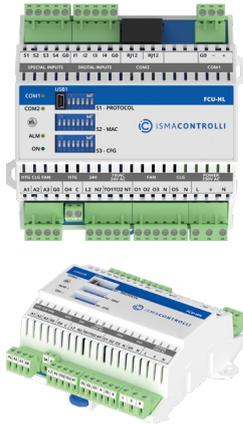
METERS

SENSORS

AIR QUALITY

# sedona

FRAMEWORK™



## FCU

The fully programmable controller iSMA-B-FCU-HH, is built with the aim of controlling the FCU. The controller is factory-equipped with the two most popular open communication protocols Modbus ASCII/RTU and BACnet MSTP, which are selected using DIP switches. To minimise time and simplify commissioning process the iSMA-B-FCU-HH controller is delivered with universal application, which supports the most popular types of FCU.

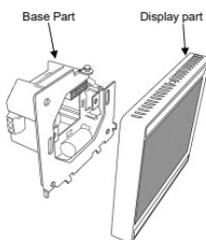
In the case, if the application does not meet the project requirements, it can be modified or created from scratch. Changing of the application is possible in real-time by USB. There are three hardware versions which have different types of Triac Outputs and power supply.

Product Code	Product Information
iSMA-B-FCU-HH	Configurable/Free programmable fan-coil unit controller with Modbus RTU or BACnet MS/TP communication. Build-In: 4xDI, 4xSI, 1xDO-HTG (10 A), 1xDO-CLG (6 A), 3xDO-FAN (6A@230 V AC), 2xTO (0,5 A@230 V AC), 3xAO. Power supply 230 V AC.
iSMA-B-FCU-HL	Configurable/Free programmable fan-coil unit controller with Modbus RTU or BACnet MS/TP communication. Build-In: 4DI, 4SI, 1Do-HTG (10 A), 1Do-CLG (6 A), 3Do-FAN (6 A@230 V AC), 2xTO (0,3 A@24 V AC), 3AO. Power supply 230 V AC.
iSMA-B-FCU-LL	Configurable/Free programmable fan-coil unit controller with Modbus RTU or BACnet MS/TP communication. Build-In: 4xDI, 4xSI, 1xDO-HTG (10 A), 1xDO-CLG (6 A), 3xDO-FAN (6 A@24 V AC), 2xTO (0,5 A@24 V AC), 3XAO. Power supply 24 V AC.

## TSP

iSMA-B-TSP colour touch screen panel is fully programmable panel/controller ideal for managing a wide range of individual building products such as FCU, VAV, Lighting, Blinds, Windows. Extremely flexible customization options are available thanks to configurable colour touch screen, full programmability, and custom logo placement options.

In addition to RS485 which is used to connect device to BMS/HMS systems it has been equipped with addition RS485 which can be used to direct control of other devices like I/O modules (MIX, MINI, Wireless). In addition to basic fan-speed and temperature settings, lighting controls can easily be integrated, as well as custom application specific functions (e.g. Do Not Disturb / Make Up Room buttons for hotel rooms).



Product Code	Product Information
iSMA-B-TSP-RS2-S-D-B/W	Free programmable controller, built-in 3.5" touch LCD screen. Communication BACnet MSTP/Modbus RTU. Power supply 24 V AC/DC. 2xRS485, 1xDALI/DMX. Built-in temperature sensor. Mounting base required. Frame colour - Black or White
iSMA-B-TSP-RH2-S-D-B/W	Free programmable controller, built-in 3.5" touch LCD screen. Communication BACnet MSTP/Modbus RTU. Power supply 24 V AC/DC. 2xRS485, 1xDALI/DMX. Built-in temperature and humidity sensor. Mounting base required. Frame colour - Black
iSMA-B-TSP-RS2-S-DB-B/W	Free programmable controller, built-in 3.5" touch LCD screen. Communication BACnet MSTP/Modbus RTU and MP-Bus. Power supply 24 V AC/DC. 2xRS485, 1xDALI/DMX. Built-in temperature sensor. Mounting base required. Frame colour - Black
iSMA-B-TSP-RH2-S-DB-B/W	Free programmable controller, built-in 3.5" touch LCD screen. Communication BACnet MSTP/Modbus RTU and MP-Bus. Power supply 24 V AC/DC. 2xRS485, 1xDALI/DMX. Built-in temperature and humidity sensor. Mounting base required. Frame colour - Black
iSMA-B-TSP-B2F-B/W	Mounting base for iSMA-B-TSP controllers with WiFi interface, mounting to an electrical box.
iSMA-B-TSP-B2F	Mounting base for iSMA-B-TSP controllers, mounting to an electrical box.
iSMA-B-TSP-B2S-B/W	Mounting base for iSMA-B-TSP controllers, surface-mounting - Black or White

## TOSIBOX® Lock 150



Compliance with  
 IMDA Standards  
 DB107332



TOSIBOX® Lock 150 is an industrial router with firewall and secure Plug & Go™ connectivity. It serves as an endpoint for secure remote connections.

IoT devices connected to the Lock can be securely accessed over the Internet and most LAN and WAN networks through an encrypted VPN connection. TOSIBOX® Lock 150 is compatible with all existing TOSIBOX® products.

### Technical data

Product codes  
 TBL15

#### Ports

- 1 x USB 2.0, type A
- 1 x RJ-45 WAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
- 3 x RJ-45 LAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
- x RJ-45 Service connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)

#### Connections

- 10-30V DC ±10% (reverse polarity protected)
- 2 x Wireless network antenna connector, RP-SMA Female
- DIN rail attachment (bottom), angle bracket available as an accessory (TBMBD1)

#### WAN connection features

- Independent of operating systems
- Works in all Internet connections (operator independent)
- Supports HTTP proxy servers with and without authentication
- Firewall friendly
- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 10 concurrent VPN connections
- VPN throughput 10 Mb/s

#### Mobile connection features

- Supported 4G USB modems: TOSIBOX® 4G modem

- TosiOnline™ Automatic network recovery that recovers from most mobile operator and modem problems

#### WLAN

- IEEE 802.11 b/g/n, max. 150 Mbps
- WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK Mixed encryption
- Frequency 2.412 – 2.462 GHz, 11 channels
- Output power 20 dBm max

#### Included accessories

- RJ-45 Cat6 Ethernet cable, USB extension cable
- 2 x WLAN antennas, 2 dBi
- AC Adapter: Input 100 – 240V AC, frequency 47 – 63 Hz, Output 24.0 V, 0.8 A, max 7.2 W. EU, UK, AU or US Power Socket
- DC input plug
- DIN rail mounting bracket

#### Physical properties

- 132 mm x 99 mm x 35.5 mm / 5.2" x 3.9" x 1.4" (L x W x H)
- Weight 593 g / 1.31 lbs (net weight article)
- Cast aluminium casing
- Operating temperature -20 °C ... +55 °C / -4 °F ... 131 °F
- Operating humidity: 20 – 80% RH, non-condensing
- Storage temperature -40 °C ... +70 °C / -40 °F ... 158 °F
- Protection class IP20



# TOSIBOX

# TOSIBOX



## TOSIBOX

TOSIBOX® Virtual Central Lock is an operative network for your devices and service personnel. The Virtual Central Lock turns your TOSIBOX® ecosystem into a controlled OT network of always-on VPN connections for remote maintenance, continuous monitoring, real-time data collection and data logging.

### TOSIBOX® STARTER KITS

Product Code	Product Name	Product Information
TBKIT150	Starterkit 150 (Europe)	1 pcs Lock Lock 150 + 1 pcs Tosibox Key + 1 pcs SoftKey (European version)
TBKIT175	Starterkit 175	1 pcs Tosibox 175 + 1 pcs Tosibox Key + 1 pcs SoftKey (Global version)
TBKIT210	Starterkit 210	1 pcs Lock Lock 210 + 1 pcs Tosibox Key + 1 pcs SoftKey
TBKIT500A	Starterkit 500 (Europe)	1 pcs Lock Lock 500i incl 4G modem + 1 pcs Tosibox Key + 1 pcs SoftKey (European version)
TBKIT610UK	Starterkit 610 (UK)	1 pcs Tosibox 610 + 1 pcs Tosibox Key + 1 pcs SoftKey (UK version)
TBKIT675UK	Starterkit 675 (UK)	1 pcs Tosibox 675 + 1 pcs Tosibox Key + 1 pcs SoftKey (UK version)

### TOSIBOX® KEY OPTIONS

Product Code	Product Name	Product Information
TBK2	TOSIBOX® KEY	with Mobile Client
TBSKL1	TOSIBOX® SOFTKEY LICENSE	1 piece (also available in 5 pieces / 10 pieces)
TBMC1	TOSIBOX® MOBILE CLIENT	1 piece (also available in 5 pieces / 10 pieces)

### TOSIBOX® NODES

Product Code	Product Name	Product Information
TBL175	TOSIBOX® 175	Built-in 4G modem, WAN, LAN, WiFi. Throughput 70 Mbit/s. 4 year Perpetual License.
TBL610UK	TOSIBOX® 610	WAN, LAN. Throughput 70 Mbit/s. 4 year Perpetual License.
TBL650UK	TOSIBOX® 650	WAN, LAN, WiFi. Throughput 70 Mbit/s. 4 year Perpetual License.
TBL670UK	TOSIBOX® 670	Built-in 4G modem*2 SIM slots, WAN, LAN. Throughput 70 Mbit/s. 4 year Perpetual License.
TBL675UK	TOSIBOX® 675	Built-in 4G modem*2 SIM slots, WAN, LAN, WiFi. Throughput 70 Mbit/s. 4 year Perpetual License.
TBNODEM	Additional Maintenance Fee	Extended maintenance after 4 years for TOSIBOX® Nodes in remote access use. <ul style="list-style-type: none"> <li>• Not needed with VCL Nodes</li> <li>• for 1 year (annual fee)</li> </ul>

## TOSIBOX® LOCKS

Product Code	Product Name	Product Information
TBL15	TOSIBOX® LOCK 150	with EU, UK, AU, US power connector
TBL21	TOSIBOX® LOCK 210	with or without power source
TBL25	TOSIBOX® LOCK 250	with or without power source, integrated WiFi
TBL5	TOSIBOX® LOCK 500	with or without power source
TBL5iA	TOSIBOX® LOCK 500i (EU/US)	with or without power source
TBL5iB	TOSIBOX® LOCK 500i (APAC)	with or without power source
TBL5iC	TOSIBOX® LOCK 500i (USA/CAN/EMEA)	with or without power source



## TOSIBOX® ACCESSORIES

Product Code	Product Name	Product Information
TB3GM2M	3G USB-Modem, Huawei	with one antenna connector
TBRFA-CRC9	Adapter Cable	3G Huawei modem to antenna
TB4GM	4G USB-Modem, Alcatel	with two antenna connectors
TBRFA-TS9	Adapter Cable	Adapter cable used with Alcatel 4G modem for antenna connection
TBANT1	Antenna, external	omni-directional with 8m cable
TBANT2	Antenna, external, magnet	omni-directional with 3m cable
TBAEC-L5	Antenna Extension Cable	Length 5m
TBAEC-L10		Length 10m



## TOSIBOX® CONNECTION ADAPTERS

Product Code	Product Name	Product Information
TBPBA1	Profibus Adapter	PROFIBUS Ethernet Gateway – MPI/PPI/PROFIBUS
TBRSA2	Moxa, NPort 5110	1-port RS-232 serial device
TBL5-AP1	Accessory Pack Lock 500 (EMEA/APAC)	Including: 2 X WiFi antenna, 2 x LTE antenna, AC adapter including EU, UK, US/JP, AUS connectors and DC feed cable
TBL5-AP2	Accessory Pack Lock 500 (USA/CAN)	Including: 2 X WiFi antenna, 2 x LTE antenna, AC adapter including EU, UK, US/JP, AUS connectors and DC feed cable
TBMBD1	DIN-mounting Bracket	for TOSIBOX® Lock 100/150



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