

WebENTRA Compact Series

IP Access Control System

The **WebENTRA Compact Series** is a cost effective, web-based, modular access control solution.

The **WebENTRA C302** is a compact controller that supports up to 2 doors (4 readers), and can fully powered by PoE+. Installation is a breeze, offering significant savings in wiring cost. A single Cat 5/6 cable takes care of both data and power transmission. The C302 comes complete with I/Os for 2 doors, and has capacity for 20,000 cardholders and 50,000 events.

Each **WebENTRA C302** connects up to 15 units of **WebENTRA C312** via CAN bus, supporting up to 32 doors (64 readers).

This WebENTRA Compact is highly versatile and may be used standalone with a web browser interface, or connected to an enterprise host running **IBSSweb** security management software.

WebENTRA

COMPACT Series



Key Features



- Complete 2 door access control & monitoring
- 4x Readers via RS485 or 2x Readers via Wiegand



- Advanced Plug & Play Technology for easy and quick setup
- Single button press to activate "InstaStart"



- Full compliance to ISO14443A standard for 56bit UID support
- Supports up to 64bit Card IDs



- Multiple reader interface options
-ADNET, OSDP & CLEX
-Wiegand



- Maximum 20,000 cardholders



- PoE (IEEE802.3af) and PoE+ (IEEE802.3at) support (up to 2 Amp)
- Supports direct 12-15V DC supply
- Built-in battery charger with AC Fail switchover



- Maximum buffer for 50,000 events
- 1,024 User Access Groups
- 120 Holidays
- 128 Weekly Schedules



- Platform independent, compatible with IE, Firefox, Safari, Chrome, etc.
- Fully supports database maintenance, event reporting and status display



- Reliable & high speed controller to controller communication
- Maximum 15x C312 door module per C302 IP controller module
- 100kbps speed over 300m



- High performance algorithm for download times of up to 1,000 Card IDs per 4 seconds (or 250/s)



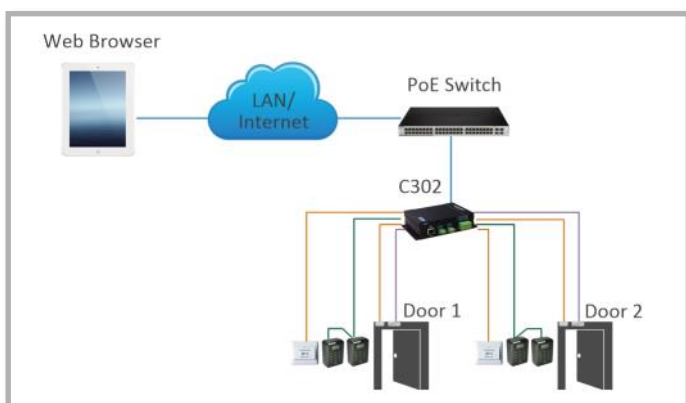
- **IBSSweb** Enterprise Security Management Software support



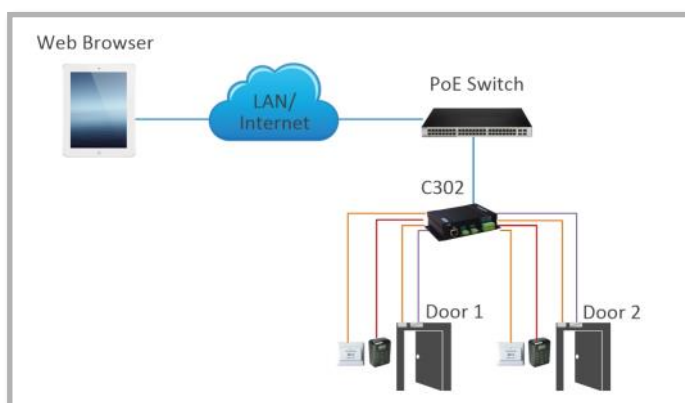
- Lightweight, non-corrosive & ruggedized aluminum housing
- Easy to mount on any surface
- Anodized finishing with user-friendly silkscreened labels

System Design

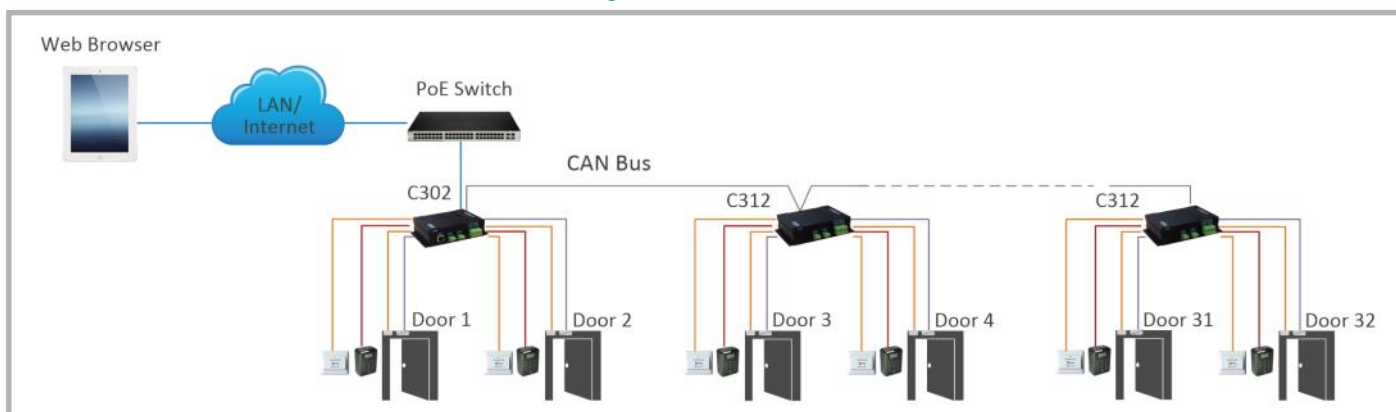
Standalone Controller with RS485 Readers



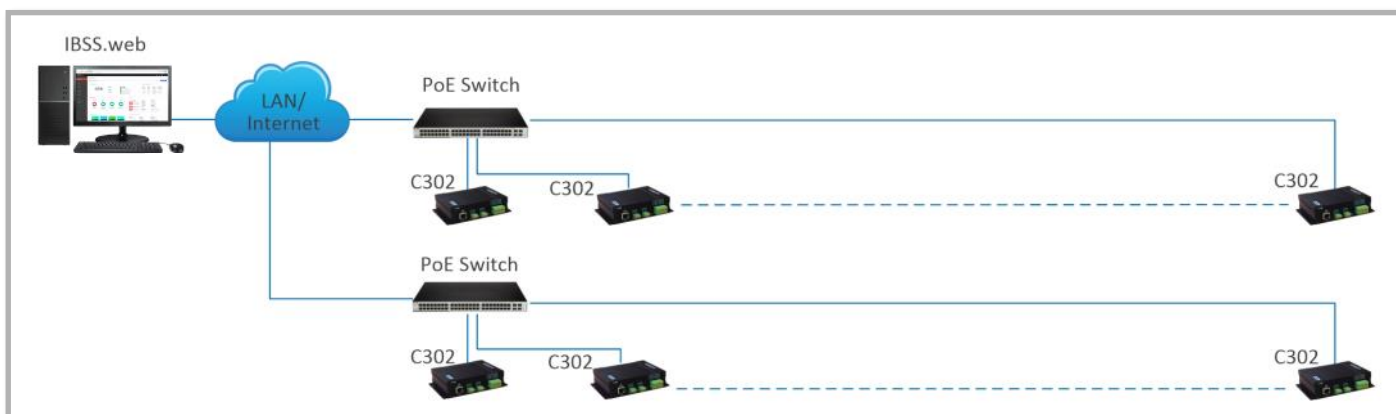
Standalone Controller with Wiegand Readers



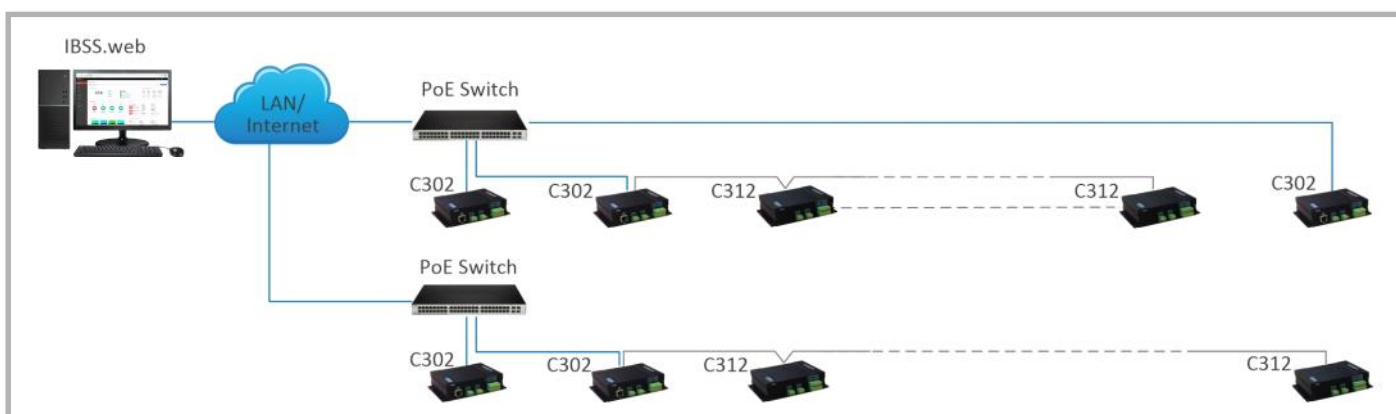
Standalone IP Controller with Door Module Configuration



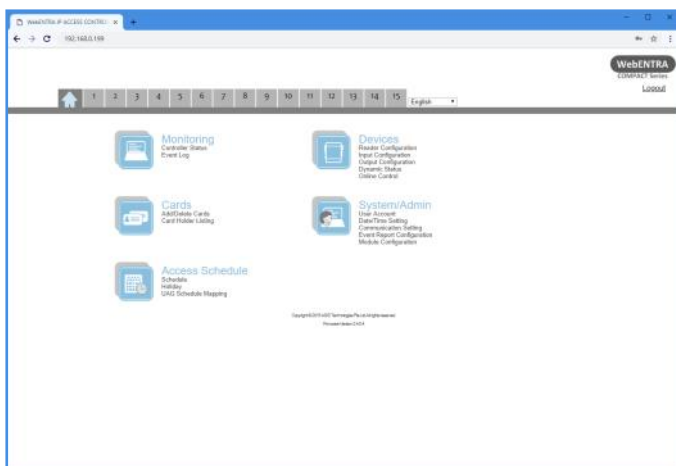
IBSSweb Hosted Multi IP Controller Configuration



IBSSweb Hosted Multi IP Controller with Door Module Configuration

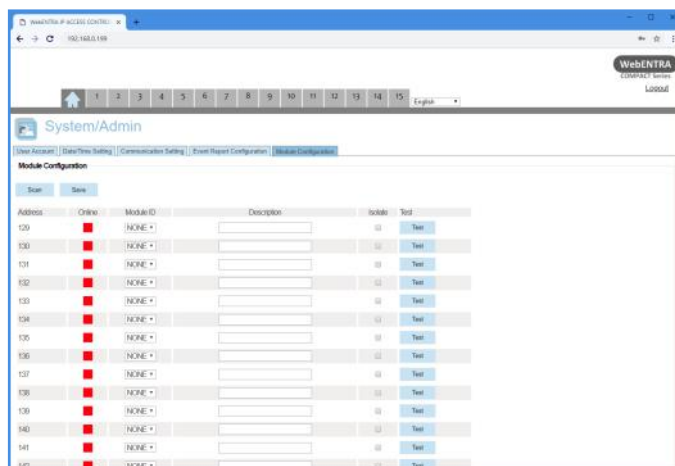


System Benefits



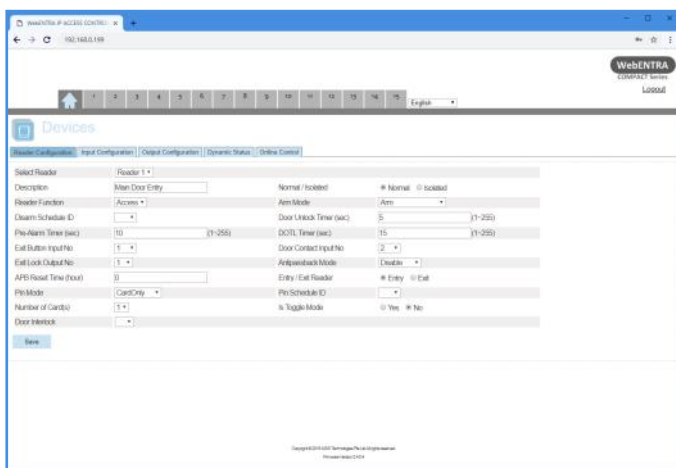
Platform Independent Web Interface

The web-based user interface of the WebENTRA C302 allows easy access via web browser with various devices including PC, tablet or smartphone. The browser can be used to configure, setup and manage each controller. There is no software or driver to install as the interface is completely platform independent. This simply means that users can quickly get connected using industry standard wired Ethernet or Wi-Fi.



InstaStart and Module Configuration

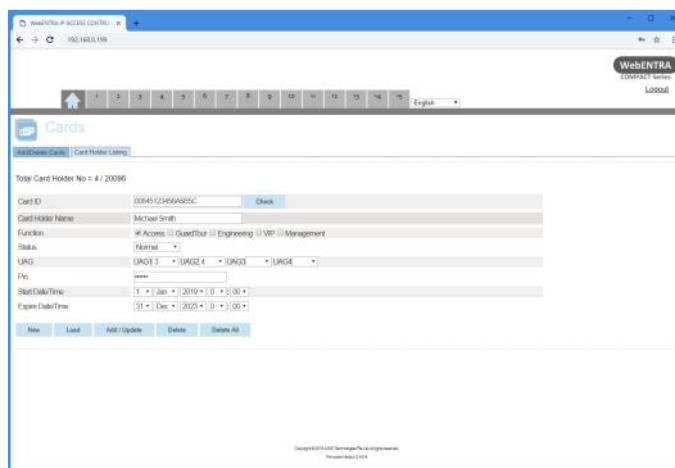
InstaStart is a cutting edge feature unique to the WebENTRA product family that greatly simplifies system setup and configuration. Activating the InstaStart on the C302 triggers an automatic sequence that configures the C302 itself as well as all connected modules on the CAN bus. The process goes into card enrolment mode soon after so that access rights are immediately granted to all the connected readers. A truly Plug-and-Play feature.



Reader Configuration

Comprehensive data entry fields for reader configuration shows an ability to adapt for various user requirements. Inputs and outputs associated with each reader are user assignable. Arming or disarming can be configured by weekly schedule, while reader access can be by card, card & PIN, etc. Additional features that can be configured include;

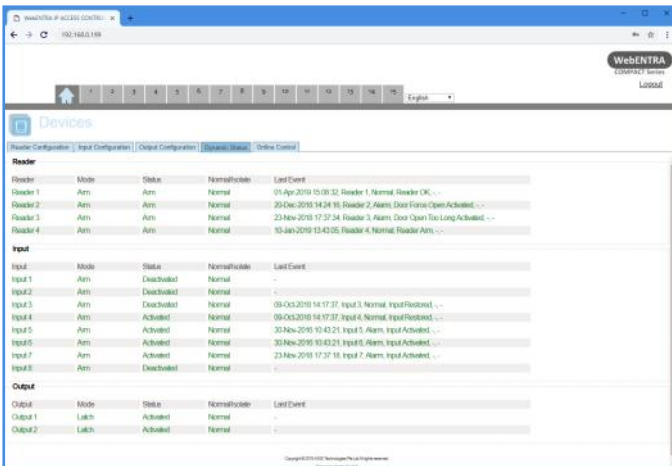
- multiple card access,
- Toggle mode,
- 3 timers for Door Unlock, Pre-Alarm & DOTL (Door-Open-Too-Long)



Add/ Delete Cards

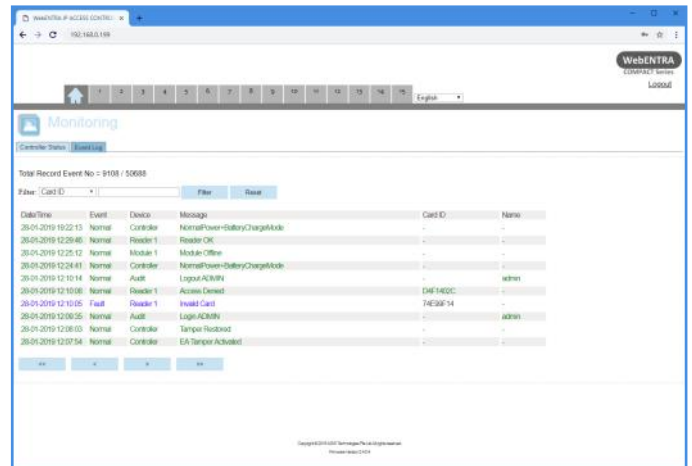
The C302 supports up to 20,000 card IDs. Each card ID can be conveniently added into the controller for access rights assignment. The C302 also supports up to 64 bit Card IDs for highest security. Each card ID can be assigned up to 4 unique User Access Groups (UAG) complete with starting and ending date & time.

System Benefits



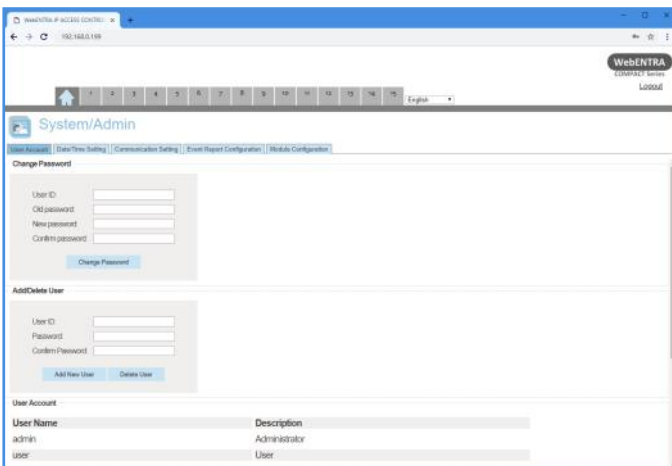
Dynamic Status

The Dynamic Status screen is a very powerful tool for the installer. Here, the display is real-time, showing the dynamic status and operating modes of each reader, input & output for diagnostic and troubleshooting purposes. A Wi-Fi network connection will allow the user to view “live” the system status via a tablet or smartphone. This feature means that a single engineer is now able to test and commission each connected device with a mobile operating console in his palm.



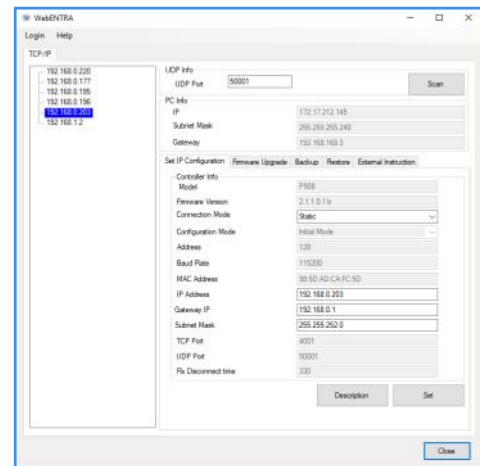
Event Log

Up to 50,000 events can be recorded and stored into the non-volatile memory of each controller. Each activity — access grant or access denied, input/output activation, alarms, or user login/logout is stored. When a host connection is available, the events will be uploaded in real-time. When the host is off-line, events will be buffered on a first-in-first-out basis and automatically uploaded when a connection is re-established.



User Accounts

The web browser access is password protected. The Administrator has the authority to add up to 9 other users. Each User ID will appear on the event log for each successful login/logout. For added security, a web browser session automatically logouts after 5 minutes of non-activity.



PC Utilities Software

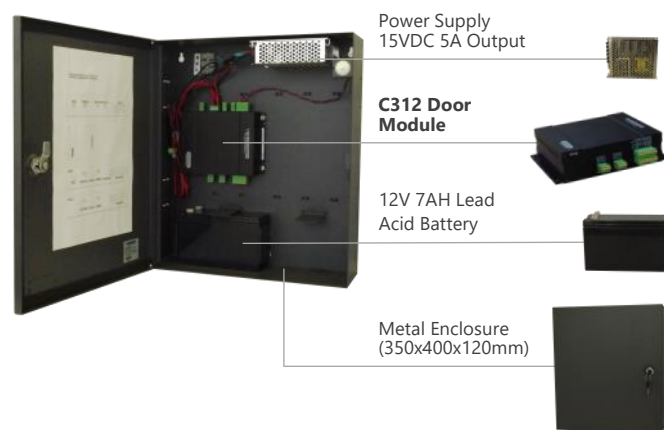
The C302 comes with a PC/Windows based utilities program that can perform various additional functions not available in the web based interface. Such functions include scanning and setting IP address, upgrading firmware, uploading and downloading of database parameters and event storage. Database downloaded from the C302 is in CSV format for convenient viewing and/or editing with many off-the-shelf application software.

Package Options

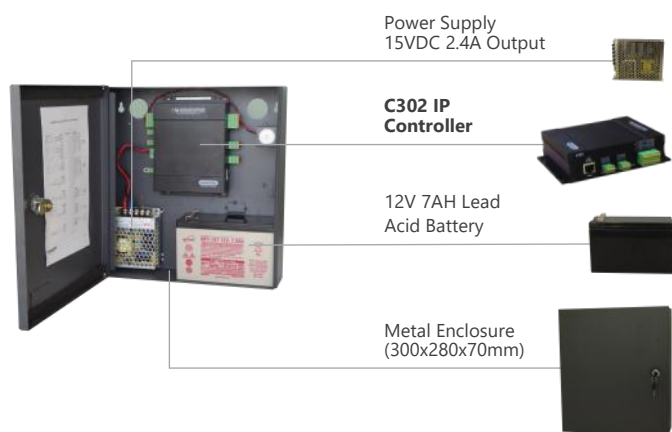
C302K1 WebENTRA Compact Series C302 Package K1



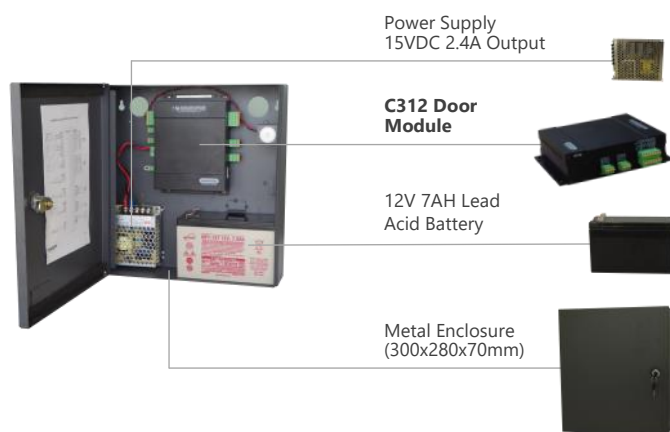
C312K1 WebENTRA Compact Series C312 Package K1



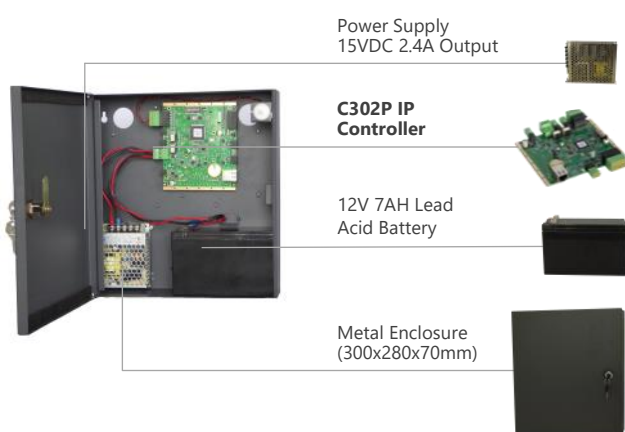
C302G1 WebENTRA Compact Series C302 Package G1



C312G1 WebENTRA Compact Series C312 Package G1



C302PG1 WebENTRA Compact ECO Series C302P Package G1



Notes:

C302K1 and/or C312K1 expansion options available —

- C302K1/C312K1 can be expanded by adding 1 additional C302/C312 module in the same AET300 enclosure.
- An additional battery can also be added in the same enclosure (recommended 1 backup battery to support 1 controller/door module).
- Each AET300 enclosure can house up to 2x ABT7AH or 2x ABT12AH batteries.

Technical Specifications

Specifications*	C302	C312	C302P
Ethernet Host Link	100BaseT	-	100BaseT
CAN Bus	Yes (IP Controller)	Yes (Door Module), Maximum 15 to the IP Controller	No
InstaStart Wizard	Yes	-	Yes
Power-Over-Ethernet	IEEE802.3af (PoE) or IEE-E802.3at (PoE+)	-	No
Alternate DC Power Input	12-15VDC	12-15VDC	12-15VDC
Battery Charger	Yes with minimum 15V DC input		
RS485 (Device Port)	Up to 4x Readers	Up to 4x Readers	Up to 4x Readers
Wiegand Interface	2	2	2
Alarm Input / Relay Output	8 / 2	8 / 2	8 / 2
Cardholders	20,000	-	20,000
Event Buffers	50,000	-	50,000
User Access Groups	1,024	-	1,024
Holidays	120	-	120
Weekly Schedules	128	-	128
Current Consumption (excluding Lock)	200mA at 12VDC	150mA at 12VDC	200mA at 12VDC
Dimensions	158 x 145 x 40 mm	158 x 145 x 40 mm	130 x 145 x 20 mm
Weight	450g	400g	350g

*Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
C302	WebENTRA Compact 2-Door IP Controller
C312	WebENTRA Compact 2 Door Reader Module
C302P	WebENTRA Compact ECO 2-Door IP Controller
C302G1	WebENTRA Compact C302 Package G1 Includes C302, RS3515, ABT7AH, AET200
C312G1	WebENTRA Compact C312 Package G1 Includes C312, RS3515, ABT7AH, AET200
C302G2	WebENTRA Compact C302 Package G2 Includes C302, RS3515, AET200
C312G2	WebENTRA Compact C312 Package G2 Includes C312, RS3515, AET200
C302K1	WebENTRA Compact C302 Package K1 includes C302, RS7515, ABT7AH, AET300
C312K1	WebENTRA Compact C312 Package K1 includes C312, RS7515, ABT7AH, AET300
C302K2	WebENTRA Compact C302 Package K2 includes C302, RS7515, AET300
C312K2	WebENTRA Compact C312 Package K2 includes C312, RS7515, AET300
C302PG1	WebENTRA Compact ECO C302P Package G1 Includes C302P, RS3515, ABT7AH, AET200

Ordering Information

Accessories	
RS3515	Power Supply 15VDC 2.4A Output (100 to 250VAC input)
RS7515	Power Supply 15VDC 5A Output (100 to 250VAC input)
ABT7AH	7AH 12VDC Lead Acid Battery
ABT12AH	12AH 12VDC Lead Acid Battery
AET200	AET200 Wall Mount Metal Enclosure (300x280x70mm)
AET300	AET300 Wall Mount Metal Enclosure (350x400x120mm)