The WebENTRA Compact Series is a cost effective, webbased, 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 IBSS.web security management software.



Key Features

2-Door IP Access Controller	 Complete 2 door access control & monitoring 4x Readers via RS485 or 2x Readers via Wiegand
InstaStart Quick Setup	 Advanced Plug & Play Technology for easy and quick setup Single button press to activate "InstaStart"
64-bit Unique Card ID	 Full compliance to ISO14443A standard for 56bit UID support Supports up to 64bit Card IDs
Reader Interface	 Multiple reader interface options -ADNET, OSDP & CLEX -Wiegand
20,000 Card IDs	• Maximum 20,000 cardholders
POEplas Ethernet w/ Power	 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

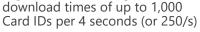
- 50,000 ent Buffer Capacity _
 - Maximum buffer for 50,000 events • 1,024 User Access Groups
 - 120 Holidays
 - 128 Weekly Schedules



- Platform independent, compatible with . IE, Firefox, Safari, Chrome, etc.
- CANbus Auxiliary Netw -



- 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





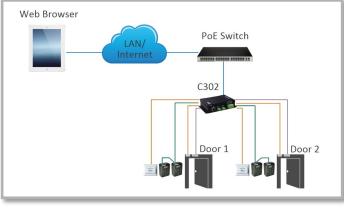
IBSS.web Enterprise Security . Management Software support

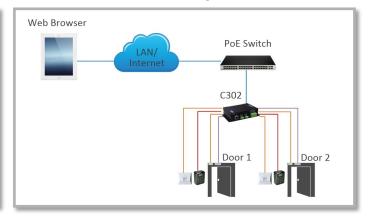


- Lightweight, non-corrosive & ruggedized • aluminum housing
- Easy to mount on any surface
- Anodized finishing with user-friendly silkscreened labels

System Design

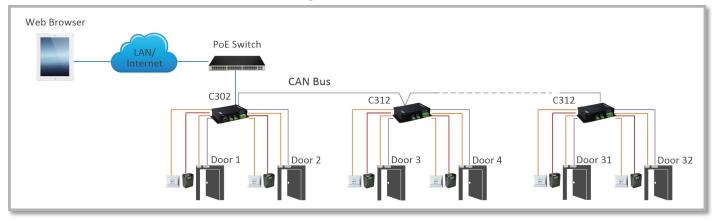
Standalone Controller with RS485 Readers



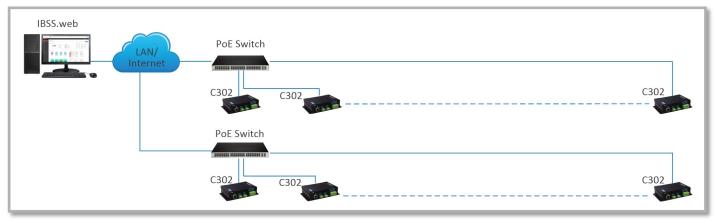


Standalone Controller with Wiegand Readers

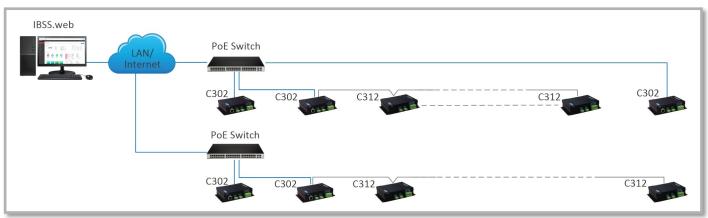
Standalone IP Controller with Door Module Configuration



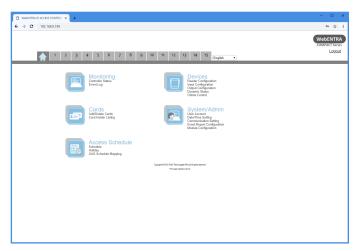
IBSS.web Hosted Multi IP Controller Configuration



IBSS.web Hosted Multi IP Controller with Door Module Configuration



System Benefits



WebENTRA	LIP ACCESS CONTRO	× +						
← → c	192.168.0.199							04
	1	2 3 4	5 6	7 8 9 1	0 11 12	13 14	15 English	WebEf compace
S	ystem/A	dmin						
Module Con		g Communication 5	Setting Event Repo	rt Configuration Mode	le Configuration			
Scan	Save							
Address	Online	Module ID		Description		Isolate	Test	
129		NONE *					Test	
130		NONE *					Test	
131		NONE *					Test	
132		NONE *					Test	
133		NONE *					Test	
134		NONE *				8	Test	
135		NONE *				0	Test	
136		NONE *					Test	
137		NONE *					Test	
138		NONE *					Test	
139		NONE *					Test	
		NONE *					Test	
140								
140 141		NONE *					Test	

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 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.

	2 3 4 5	6 7 8	9 10 11 12 13	14 15 English ¥]	
	Configuration Output Configu	ration Donamic Status	Deline Control			
select Reader	Reader 1 •		0			
lescription	Main Door Entry		Normal / Isolated	Normal Isolated		
leader Function	Access *		Am Mode	Am •		
isam Schedule ID	*		Door Unlock Timer (sec)	5	(1-255)	
Pre-Alarm Timer (sec)	10	(1~255)	DOTL Timer (sec)	15	(1~255)	
Sit Button Input No	1 *		Door Contact Input No	2 *		
ixit Lock Output No	1 *		Antipassback Mode	Disable •		
PB Reset Time (hour)	0		Entry / Exit Reader			
Pin Mode	CardOnly *		Pin Schedule ID			
lumber of Card(s)	1 *		Is Toggle Mode	© Yes ⊛ No		
loor Interlock						
Save						

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)

	Cards	_	_		_				_		
vdd/Delete (Dards Card H	folder Listing									
otal Card	Holder No =	4/20096									
Card ID				123456A5B5	0	Check					
Card Holde	r Name		Michael Smith								
Function			Access GuardTour Engineering				Managem	ent			
Status			Normal •								
UAG			UAG1 3 • UAG2 4 • UAG3			33 • U/	4G4 *				
Pin			•••••								
Start Date/1					9 • 0 • ; 00						
Expire Date	Time		31 *	Dec • 202	3 • 0 • : 00	*					
New	Load	Add / Up	date	Delete	Delete All						

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

WebENTRA IP	ACCESS CONTROL X +				- 0 >
← → C	192.168.0.199				아 ☆
		3 4 5 6	i 7 8	9 10 11 12 15 14 15 <u>English</u>	WebENTRA COMPACT Series Logout
De De					
	tion Input Configuration	Output Configuration	Dynamic Status 0	nine Control	
Reader					
Reader	Mode	Status	Normal/Isolate	Last Event	
Reader 1	Am	Am	Normal	01-Apr-2019 15:08:32, Reader 1, Normal, Reader OK, -, -	
Reader 2	Am	Am	Normal	20-Dec-2018 14:24:16, Reader 2, Alarm, Door Force Open Activated, -, -	
Reader 3	Am	Am	Normal	23-Nov-2018 17:37:34, Reader 3, Alarm, Door Open Too Long Activated, -, -	
Reader 4	Am	Am	Normal	10-Jan-2019 13/43/05, Reader 4, Normal, Reader Arm, -, -	
Input					
Input	Mode	Status	Normal/Isolate	Last Event	
Input 1	Am	Deactivated	Normal		
Input 2	Am	Deactivated	Normal		
Input 3	Am	Deactivated	Normal	09-Oct-2018 14:17:37, Input 3, Normal, Input Restored, -, -	
Input 4	Am	Activated	Normal	09-Oct-2018 14:17:37, Input 4, Normal, Input Restored, -, -	
Input 5	Am	Activated	Normal	30 Nov-2016 10:43:21. Input 5. Alarm. Input Activated	
Input 6	Am	Activated	Normal	30-Nov-2016 10:43:21, Input 6, Alarm, Input Activated, -, -	
Input 7	Am	Activated	Normal	23-Nov-2018 17:37:18, Input 7, Alarm, Input Activated, -, -	
Input8	Am	Deactivated	Normal		
Output					
Output	Mode	Status	Normal/Isolate	Last Event	
Output 1	Latch	Activated	Normal		
Output 2	Latch	Activated	Normal		

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.

WebENTRA IP ACCESS CONTROL × +		- 0 ×
← → C 192.168.0.199		아 ☆ [
1 2 3 4 5 6	2 8 9 10 11 12 13 54 15 English •	WebENTRA COMPACT Series Logout
System/Admin		
User Account Date/Time Setting Communication Setting Event Re	sport Configuration Module Configuration	
Change Password		*
User ID Oid password New password Confirm password Change Password		
Add/Delete User		
User (D: Pressured Conference Pressured Conferen Pressured Add New User Defets User		
User Account		
User Name	Description	
admin	Administrator	
user	User	

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.

		3 4	5 6 7	8 9	10 11 12 13	14 15 English	•	Log
Monit								
ontroller Status Eve	ot Loo							
Letter and the second s								
tal Record Event	No = 9108	/ 50688						
Iter: Card ID	Ŧ		Filter	Reset				
iner. Corono			1.000	Roser				
late/Time	Event	Device	Message			Card ID	Name	
8-01-2019 19:22:13	Normal	Controller	NormalPower+Ba	teryChargeMode				
8-01-2019 12:29.46	Normal	Reader 1	Reader OK					
8-01-2019 12:25:12	Normal	Module 1	Module Offine					
8-01-2019 12:24:41	Normal	Controller	NormalPower+Ba	teryChargeMode				
8-01-2019 12:10:14	Normal	Audit	Logout ADMIN				admin	
8-01-2019 12:10:08	Normal	Reader 1	Access Denied			D4F140	ю .	
8-01-2019 12:10:05	Fault	Reader 1	Invalid Card			74E99F1	4 -	
8-01-2019 12:09:35	Normal	Audit	Login ADMIN				admin	
8-01-2019 12:08:03	Normal	Controller	Tamper Restored					
8-01-2019 12:07:54	Normal	Controller	EA Tamper Activa	led				
			>>					
~								

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 reestablished.

TCP/IP		
192.168.0.220	UDP Info	
- 192.168.0.177	UDP Port 50001	S
- 192.168.0.196	PC Info	
-192.168.0.203 -192.168.1.2	IP Subnet Mark	172.17.212.145
		255.255.255.240
	Gateway	192.168.168.3
	Set IP Configuration Firmware Up	ograde Backup Restore External Instruction
	Controller Info	P908
	Model	211.0.1b
	Emware Version	2.1.1.0.1b
	Configuration Mode	Initial Mode
	Address	128
	Baud Rate	115200
	MAC Address	98:5D:AD:CA:FC:5D
	IP Address	192.168.0.203
	Gateway IP	192.168.0.1
	Subnet Mask	255.255.252.0
	TCP Port	4001
	UDP Port	50001
	Rx Disconnect time	330
		Description Set
		Description Set

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-theshelf application software.

Package Options

C302K1 WebENTRA Compact Series C302 Package K1



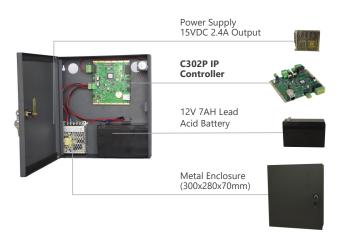
C302G1 WebENTRA Compact Series C302 Package G1

Power Supply 15VDC 5A Output

C312G1 WebENTRA Compact Series C312 Package G1



C302PG1 WebENTRA Compact ECO Series C302P Package G1



Notes:

C302K1 and/or C312K1 expansion options available —

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

C312K1 WebENTRA Compact Series C312 Package K1

Technical Specifications

Specifications*	C302	C312	C302P
Ethernet Host Link	1000BaseT (Gigabit Ethernet)	-	1000BaseT (Gigabit Ethernet)
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 chan	a without prior potico		

*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 Series C302 Package G1 Includes C302, RS3515, ABT7AH, AET200
C312G1	WebENTRA Compact C312 Package G1 Includes C312, RS3515, ABT7AH, AET200
C302K1	WebENTRA Compact Series C302 Package K1 Includes C302, RS7515, ABT7AH, AET300
C312K1	WebENTRA Compact C312 Package K1 includes C312, RS7515, ABT7AH, AET300
C302PG1	WebENTRA Compact ECO C302P Package G1 Includes C302P, RS3515, ABT7AH, AET200
Accessories	
RS3515	Power Supply 15VDC 2.4A Output (100 to 250VAC input)
RS7515	Power Supply 15VDC 5A Output (100 to 250VAC input)
RS15015	Power Supply 15VDC 10A Output (100 to 250VAC input)
ABT7AH	12V 7AH Lead Acid Battery
ABT12AH	12V 12AH Lead Acid Battery
AET200	WebENTRA Wall Mount Metal Enclosure (300x280x70mm)
AET300	WebENTRA Wall Mount Metal Enclosure (350x400x120mm)