



WebENTRA Flex Series IP Controllers



ENTERPRISE INTELLIGENCE. ADAPTIVE SCALABILITY.

The **WebENTRA C400ST** is the flagship controller of the new **Flex Series**. Engineered for the modern agile enterprise, it introduces a strategic **Pay-As-You-Grow** architecture enabled by the innovative **Virtual Expansion Module (VEM)**.

The C400ST Flex is not just hardware; it is a scalable platform that optimizes Capital Expenditure (CapEx) by offering a robust mid-market entry point that can instantly scale to enterprise capacity via the C400ST-VEM software license – eliminating the need for disruptive hardware “rip-and-replace” upgrades.

Key Benefits



ROI & Business Continuity

Strategic capital allocation via **VEM** aligns infrastructure spend directly with business growth stages. Business continuity is intact even during catastrophic network outages, mitigating operational risk.



Zero-Trust & Convergence

Data protection with **TLS 1.3 encryption** and **Secure Access Module (SAM) with Crypto Chip** provides a hardened cyber posture that complies with stringent corporate IT security policies. Future-proof Hybrid-Cloud Architecture supports both **On-Premise LAN** and **Direct-to-Cloud** connectivity natively.



Profitability & Efficiency

Project margin protection with the **InstaStart Wizard** reduces commissioning times by up to 40%. Simplified inventory management with the VEM licensing model on a single hardware that covers the spectrum from mid-market to large corporate sites.



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Key Capabilities



High-Density I/O Matrix

12 Supervised Inputs and 6 Relays onboard eliminate auxiliary I/O boards in standard 4-door deployments, saving cost and enclosure space.



Hybrid Expansion Bus

Supports mixed topology of **7 x C414ST Reader Modules** and **2 x I/O Modules** simultaneously on a single CAN bus.



Dual-Protocol Interface

Simultaneous **1 x RS485** (OSDP & ADNET) and **4 x Wiegand** ports ensure compatibility for legacy retrofits and secure installations.



Virtual Expansion Engine

Hardware scales from **50k to 100k Users** via **C400ST-VEM** license, fitting diverse specs with a single SKU.



Native Line Supervision

12 inputs support **4-state supervision** (Open/Close/Short/Cut), meeting high-security standards without external resistors.



Intelligent Event Logic

Programmable **Event Actions** cross-trigger outputs (Lift, Fire, Siren) based on logic, eliminating external PLCs.



Cyber-Secure Link

Native **TLS 1.3** host communication removes the need for external VPN hardware in cloud-hosted designs.



Elevator Control Ready

Native **Low-Level Interface (LLI)** logic manages complex multi-lift groups without specialized firmware.

Technical Specifications

Specifications	C404ST (Base Controller)	With Virtual Expansion (VEM)	C414ST (Reader Module)
Capacity & Logic			
Max Doors	4 Doors (Expandable to 32)		4 Doors
Cardholders	50,000 IDs	100,000 IDs	N/A
Event Buffer	100,000	500,000	N/A
User Access Groups	1,024		N/A
Weekly Schedules	128		N/A
Holidays	120		N/A
Multi-Lift Groups	255		N/A
Expansion Capabilities*			
Reader Modules	Max 7 x C414ST FLEX		N/A
I/O Modules	Max 2 x (P920ST or P930ST)		N/A
Input / Output Configuration			
General Purpose Inputs	12 x Inputs (Supervised LSS)		
Relay Outputs	6 x Relays (12V 2A Max.)		
Relay Usage	4 for Doors & 2 for Event Actions		
Dedicated Inputs	1 x Tamper, 1 x Fire Alarm		
Communication & Interfaces			
Host Link	1 x Ethernet (100Base-T)		N/A
Module Expansion	1 x CAN Bus		
Web Connections	5 Concurrent Sessions (Max.)		N/A
Reader Port (RS485)	1 x RS485 (OSDP & ADNET)		
Reader Port (Wiegand)	4 x Wiegand		
Electrical & Physical			
Power Input	12 – 15V DC		
Battery Charger	Yes (Built-in, min 15V input)		
Dimensions	158 x 145 x 40 mm		
Operating Temp.	0 - 50°C		
Operating Humidity	90%		
Certifications	CE & FCC		

* Combination of Reader & I/O modules is supported simultaneously.

Ordering Information

Model No.	Product Description
Controller Packages	
C404ST	WebENTRA Flex C400ST 4-Door IP Controller
C404STK1	WebENTRA Flex C404ST Package K1, includes C404ST, RS10015, ABT7AH, AET300C
C404STK2	WebENTRA Flex C404ST Package K2, includes C404ST, RS10015, AET300C
Virtual Expansion Module (VEM)	
C400ST-VEM	Virtual Expansion Module (upgrade to 100,000 IDs and 500,000 Events)
Expansion Module Packages	
C414ST	WebENTRA Flex C400ST 4-Door Reader Module
C414STK1	WebENTRA Flex C414ST Package K1, includes C414ST, RS10015, ABT7AH, AET300C
C414STK2	WebENTRA Flex C414ST Package K2, includes C414ST, RS10015, AET300C
P920ST	WebENTRA PRO Input Module – supports 32 Inputs and 8 Relay Outputs
P930ST	WebENTRA PRO Output Module – supports 32 Relay Outputs and 8 Inputs
Accessories	
RS10015	Power Supply Unit 15VDC 7A Output
ABT7AH	12VDC 7AH Lead Acid Battery
AET300C	Wall Mount Metal Enclosure (350x400x120mm)

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for intelligent, enduring security solutions.

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