

VISION 700™ / 1040™ / 1210™

Features:

HMI

- Size: 7", 10.4" and 12.1"
- High quality color touchscreen
- Multi-language display
- Built-in Alarm Screens

PLC

- I/O options include digital, analog, high speed, temperature, and weight measurement
- Expand up to 1000 I/Os
- Auto-tune PID, up to 24 independent loops
- Recipe programs and data logging via data tables
- MicroSD card - log, backup, clone & more
- Function Blocks

Communication

Built-in ports

- 1 Ethernet TCP/IP¹
- 1 Mini USB for programming
- 1 CANbus²
- 1 Isolated RS485/RS232¹
- 2 Isolated RS485/RS232²

Add-on ports

- 1 Serial/Ethernet
- 1 CANbus¹

Protocols

- MODBUS TCP
- SNMP V1
- CANopen, J1939, CANlayer2, UniCAN
- BACnet, KNX and M-Bus via gateway
- FB Protocol: for any 3rd party protocol

Advanced Communications

- Web server
- E-mail & SMS
- Remote access utilities
- 3G Modem support

Advanced PLC with a built-in 7"/10.4"/12.1" high-resolution color touch screen.
Snap in I/Os to expand up to 1000 I/Os.



V700



V1040



V1210



Snap-in I/O

Plugs directly into the back of your PLC

	V700	V1040	V1210
Part Number	V700-T20BJ	V1040-T20B	V1210-T20BJ
Total supported I/Os	1000		
I/O Expansion	Snap-in I/O Modules plug directly into the back of the Vision unit (See Snap-in I/O Modules- page 33). Local or Remote I/Os may be added via expansion port or via CANbus (See I/O Expansion Modules- page 32).		
Local I/O Expansion	Use Local Expansion Adapters to add up to 8 modules		
Remote I/O Expansion	Use EX-RC1 adapters to further extend the number of I/Os ¹		
Program			
Application Memory	Application Logic: 2MB • Images: 32MB • Fonts: 1MB		
Scan Time	9µsec per 1K of typical application		
Memory Operands	8192 coils, 4096 registers, 512 long integers (32 bit), 256 double words (32 bit unsigned), 64 memory floats, 384 timers, 32 counters. Additional non-retainable operands: 1024 X-bits, 512 X-integers, 256 X-long integers, 64 X-double words		
HMI Panel			
Color Touchscreen	Resistive, Analog		
Viewing Area Width X Height (mm)	154,08 x 85,92	210 x 157,5	246,8 x 185,3
Cut Out Width x Height (mm)	193 x 125	274 x 230	297 x 228,5
Resolution	800 x 480 (WVGA)	800 x 600 (SVGA)	
Keys	Virtual Keyboard	9 programmable function keys	Virtual Keyboard
Environment			
Protection	IP65 / NEMA4X when panel mounted		
Operating Temperature	32°F to 122°F (0 to 50°C)		
Standards	UKCA, UL, CE, EAC, UL Hazardous Locations, Class I, Division2 ²		
General			
Battery	7 years typical at 77°F (25°C), battery back-up for all memory sections and RTC		
Clock	Real-time clock functions (date and time)		
Power Supply	12/24VDC ³		

¹ EX-RC1 via CANbus. Integrate standard Unitronics I/O modules at distances of up to 1000m.

² For a list of relevant models, contact Unitronics.

³ 12V applies to PLC power supply only, and not to the I/O.

“I’ve not yet encountered a job that a Unitronics PLC was unable to cover.”

Timothy Moulder,
Engineer at Black & Decker

¹ Applies only to V700

² Applies only to V1040 and 1210