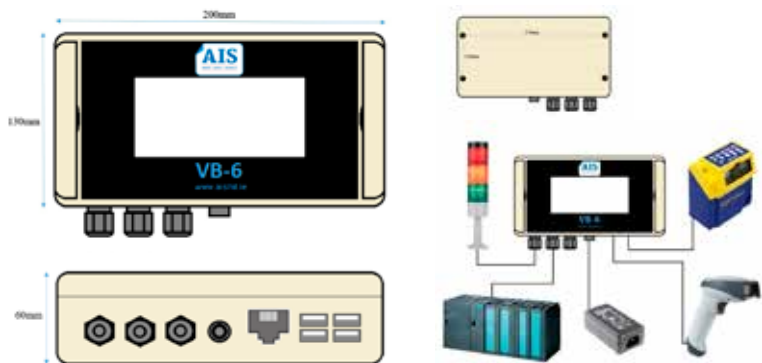


Technical Specification



Electrical Features

Supply Voltage	5 Vdc
Current Consumption	1.4A @ 5Vdc (HHR + Datalogic Matix 210 connected)
Power Consumption	7W
Processor	700MHZ Single Core Arm
Memory	512MB RAM
Communications Interfaces	
Com Ports	4 x USB 2.0 1 x 10/100 Ethernet port
Relay	6 x PCB mounted relay. N/O and N/C contacts. Rated 250V@ 5A
User Interface	
Display and Keypad	High definition, full colour, touch screen.
Physical Features	
Mechanical Dimensions	200 x 130 x 60 mm
Weight	600g
Environmental Features	
Operating Temperature	32 to 104 Degrees Fahrenheit 0 to 40 Degrees Celsius
Storage Temperature	0 to 150 Degrees Fahrenheit 0 to 65.5 Degrees Celsius
Protection Class	IP61



Engineering Peace of Mind



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VB-6 Smart/Industrial Interface Unit

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THE VB-6

THE VB-6 is an all-in-one industrial, programmable interface device with multiple input and output options. The VB-6 uses a high definition full colour touch screen, 4 USB ports, 1 Ethernet port, 1 x RS232, Real time Clock (optional), 8 digital (opto-isolated) inputs, 6 Relay outputs.

The VB-6 can be custom programmed (by AIS Engineers) and includes off-the-shelf programs such as ScanCheck, which checks scanned barcode data against 'primed' data and triggers the appropriate relays. When using the on-board ScanCheck software, the VB-6 is used in conjunction with a fixed mount barcode reader and (typically) a hand held reader to input the 'Match' barcode.

Standard operating modes (selectable from colour touch screen)

- Display mode: Simply displays last bar code scanned, Good Read Count and Bad Read Count.
- Verifier mode: Confirms correct code present and Code ISO/ANSI quality. Colour screen displays barcode data and grade and can be configured to accept minimum grade.
- Hand held teach mode: Teach the barcode to be verified using a handheld barcode scanner.
- First Code Read mode: Teach the VB-6 by scanning the first barcode with the fixed mount scanner.
- From Memory: Select a product description/barcode from up to two hundred user programmed memory locations.
- Batch count reached: Relay output closes when operator batch count reached.

Typical applications for the VB-6

- ✓ Verify barcode presence and data in production (requires fixed barcode reader).
- ✓ Confirm (barcoded) product contents at manual packing station
- ✓ Verify barcode and OCR data in production (requires camera).
- ✓ Scan barcode data, modify/manipulate data and re-print (Label printer/Laser/ink jet etc).
- ✓ Receive data from RFID controller and present on screen or store on a server.
- ✓ Receive data from a PLC or PC and display on screen for operator.

Benefits

- ✓ Full colour touch screen display for operator interaction.
- ✓ Validate and verify (with fixed mount scanner) every barcode on every product.
- ✓ Eliminates need for PLC or PC System.
- ✓ Connects to any barcode scanner with USB, Ethernet or RS232 comms.
- ✓ Quick setup times – easy installation - out of the box plug and play.
- ✓ Easy to use – changes are easily taught to VB-6.
- ✓ Flexibility - unprecedented level of flexibility, works with most scanners/printers/cameras/scales etc.
- ✓ 6 PCB Mounted Programmable Relays.
- ✓ Barcode ISO quality inspection possible with fixed mount scanner.
- ✓ Memory Capacity: 512MB RAM



A Closer Look



Main Menu Screen



Full Keypad Functionality



CPU Usage Meter



Real-time Clock



Internals of VB-6