

## ASI INPUT INTERFACE MODULE



The VB242 ASI input option card allows operators real-time high density ASI monitoring or switched ASI round-robin monitoring for remote or head-end applications. Each VB242 card has 6 BNC inputs. The operator can operate the module in two different modes: either the first two of the inputs are monitored concurrently and with continuous ETSI TR 101 290 analysis, or its 6 BNC inputs are sequentially monitored in a round-robin fashion.

Together with the VB220 or VB120 controllers the VB242 is perfect for existing infrastructures in the head-end and the regional edge-multiplexer/ modulator/transmitter site.



Figure - The Enhanced Chassis populated with one VB120 controller blade and two VB242 ASI input modules giving a total of 5 ASI inputs concurrently monitored. Alternatively 12 inputs monitored in a round-robin fashion plus one VB120 ASI input concurrently monitored locally on the VB120 module (HD-BNC input).

The VB242 interface module can operate in two different modes: either two of the inputs are monitored full time with continuous ETSI TR 101 290 analysis, or its inputs are sequentially monitored in a round-robin fashion.

Using two VB242 interface modules in a 1RU chassis allows full time monitoring of five ASI streams in parallel – two streams from each of the interface modules and one stream from the ASI input of the controlling VB120 or VB220 probe. This high density solution is very useful for monitoring in head-ends where ASI infrastructure is used.

It is also possible to combine a VB242 with a different input interface module, for instance one of the demodulators in the interface product range.

The monitoring unit is controlled as part of a system via the VBC Controller, as a stand-alone unit using a regular web-browser or even by a 3rd party management system.

### TECHNICAL FEATURES

- 6 x 75 ohm female BNC inputs
- 9-pin male D-TYPE alarm relay connector
- 6 red/green/orange LED indicators
- Supports DVB-ASI according to EN 50083-9, Annex B
- Supports Burst mode, Spread mode and legacy M2S
- Supports 188-byte packet format and 204-byte packet format
- Supports up to 161Mbit/s of TS rate per ASI input (local ASI on VB120 module supports up to 211Mbit/s)

### PRODUCT ORDERING CODES SOFTWARE

VB242 ASI high-density input blade

### OPTIONS INCLUDED

ETR290

### RELATED PRODUCTS

VB120 VB220

### CHASSIS OPTION

ACC DCC EC EC-DC

### TECHNOLOGIES

Eii RDP microETR

### PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Operating temperature: 0°C to 45°C

Storage temperature: -20°C to 70°C

Operation humidity: 5% to 95% non-condensing

### POWER SUPPLY REQUIREMENTS

Input voltage: 100 to 240V AC

Power required: 15VA

Power dissipated: maximum 5W

### COMPLIANCE AND SAFETY

Compliant to requirements for US and Canada. Designed for CSA approval. Bridge Technologies continuously improves on products and reserves the right to modify the specifications without prior notice.

EMC: EN 55022/ CISPR 22 Class A, EN 55024/ CISPR 24, EN 61000-3-2/ IEC 61000-3-2, EN 61000-3-3/ IEC 61000-3-3, 47 CFR, Class B SAFETY: EN 60950-1, IEC 60950-1 Edition 2.0

### ENVIRONMENTAL COMPLIANCE POLICY

Bridge Technologies co as is committed to fulfilling all statutory environmental requirements in accordance with the WEEE scheme.

In order to prevent the generation of hazardous waste, Bridge Technologies undertakes the responsibility for taking back and recycling electrical and electronic equipment.

This will provide incentives to design electrical and electronic equipment in an environmentally more efficient way which takes waste management aspects fully into account.

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