

## **IDX StarNET Gateway**

The IDX StarNET Gateway is a specialised industrial communication gateway that allows legacy GEM series controllers and related devices using common variants of the GEM StarNET protocol to be interfaced with modern industrial control systems and equipment. The Gateway allows multiple configurable StarNET HDLC and ESP links to be interfaced to a variety of modern fieldbuses, but PROFIBUS has thus far proven to be the most popular choice.

The IDX StarNET Gateway has been successfully implemented at a growing collection of sites around the world and has been shown to be a reliable, performant and cost-effective legacy migration solution in the following configurations:

- PROFIBUS Master to HDLC Secondary interface at Columbus Stainless Steel in South Africa.
- PROFIBUS Master/Slave to HDLC Secondary interface at Bluescope Steel in Australia.
- PROFIBUS Master to HDLC Secondary interface for GE/BHP Billiton/Winder Controls in Australia.
- PROFIBUS Slave to HDLC Secondary and ESP Controller interfaces at US Steel Tin in the United States.

The Gateway currently supports the following StarNET interfaces:

- HDLC Secondary via RS-422 interface in Table Exchange/Broadcast with response modes
- ESP Controller/Tributary via RS-232/422-485 interface in J/K Table Exchange mode

Any combination of interfaces can be used simultaneously. The Gateway's PCI/PCIe slots allow for additional PROFIBUS Master, Slave or other interfaces to be added if required and custom interfaces can be developed on request.

For more information on the IDX StarNET Gateway, please visit [www.idx.co.za](http://www.idx.co.za), or contact us at +27 11 548 9600 or [sales@idx.co.za](mailto:sales@idx.co.za).