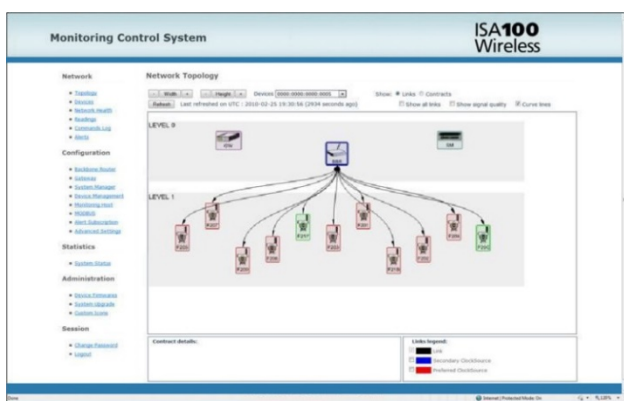


The CDS **VR950** Industrial Wireless Gateway is a wireless network infrastructure device designed for mission critical, industrial applications in the oil & gas, mining<sup>1</sup> and manufacturing sectors where safety, security and reliability are a must. The VR950 is an all-in-one, dual-standard infrastructure device architected to manage ISA100 and Wireless Hart networks simultaneously. It contains all the necessary components for network management and comes with advanced features such as redundancy and network collocation.



The VR950 Gateway runs a Linux operating system and can be configured via a web application or a command line interface. For connectivity to the data center there is 1 GB Ethernet port available. The interface for accessing the data from the network devices can be Modbus TCP, GCI (for ISA100) and Hart IP (for Wireless Hart).

Custom applications for local data pre-processing can run in a sandbox accessible via an API that provides access to the connectivity and data storage functions of the VR950 Gateway.

VR950 is certified to be used in explosive areas according with ATEX directive as an Ex component for zone II including both explosive gas or dust environments. A standard DIN rail adapter is provided for easy mounting inside automation cabinets.

Electrical & Mechanical Specs	Detail
Input Voltage	24VDC $\pm$ 10%
Power consumption	$\sim$ 8.5-10W
Dimensions	159 mm x 130 mm x 40 mm (L x W x H)
Temperature Range	-40...+70 °C
Relative Humidity	Maximum 95% RH non condensing
Enclosure	Powder coated Aluminum: IP20
Weight	0.4 Kg

Peripherals/Software	Details
Ethernet	2 x10/100 Base-T Ethernet Channel, RJ45 connectors
LAN	1 x VN210 ISA100 modem 1 x VN210 WirelessHART modem
WAN	1 x GB Ethernet
Operating System	Linux Kernel 4.1
Data access	Modbus TCP GCI / Hart IP

Certifications	Detail
EMC: USA	FCC Part 15 Section 247
EMC: Canada	IC: RSS 210, must comply with FCC 15.247
EMC: EU	ETSI EN 300 328, ETSI EN 301 489-1, ETSI EN 310 489-17
EMC: Japan	MPHPT Chapter 3, Section 4.17, Article 49.20
ATEX <sup>2</sup> II 3G Ex ec II C Gc II 3D Ex tc III B Dc	EN 60079-0 EN 60079-7 EN 60079-31

<sup>1</sup> Not to be used in mines susceptible to firedamp, as defined in IEC 60079-0:2011 clause 4.1

<sup>2</sup> ATEX component. To be used in explosive areas need to be protected by an IP54 or better enclosure