

UHS-1500

Vindicator® UHS-Net Device

The UHS-1500 is the latest member of the UHS-Net device family that provides redundant Ethernet communications capability and additional sensor inputs. The devices enable users to leverage their existing network infrastructure and connect more sensors to the Vindicator systems. These new features will allow users to install

systems more quickly and to reduce their capital investment. The UHS-1500 provides natural migration for existing UHS-6842, UHS-8400 and DES6842T transponder and gateway devices, demonstrating Honeywell's commitment to helping our customer preserve their investment in Honeywell solutions.

FEATURES AND BENEFITS

FEATURES	FUNCTION	BENEFITS
Dual wire or fiber Ethernet ports	Provides both physical and logical redundancy	Reduces risk of malicious or accidental communication breaks impacting system
Enhanced TDEA or AES cryptography	Secures communication between field transponders and V ^s system masters	Reduces risk of data being captured or compromised
14 sensor inputs	Provides six additional sensor inputs to capture additional field signals	Lowest the cost per sensor input for each device
100% burn-in	Every device operated at elevated temperature for at least 24 hours	Eliminates out of the box instant failures
More throughput	Faster processing, more buffers	Reduces event reporting bottlenecks
Under cover tamper	Alarm when cover is removed	Alerts operator of possible compromise
Serial communication ports	4 wire RS485 UHS-Net communications	Enables re-use of existing communications wiring
Conformal coated	Prevents oxidation on critical circuit elements	Enhanced protection in harsh environments
Local service port	Direct connection for device configuration	Faster, easier installation

SPECIFICATIONS

- 14 sensor inputs, each configurable with up to five sensing state windows
 - 8 initiating circuits with "Sensor +" and "Sensor -" connections
 - 6 auxiliary inputs with sensor input and common returns
- 4 relay outputs, onboard latching relays configurable as normally open or closed
 - 2 wire Form-A connection – COM & NC/NO, Class II (42V peak, 100 VA max)
 - Configure into on-board sensor test routines
 - Incorporate into system control rules
- 2 UHS network communication ports operated as dual communication paths
 - 2 RS485, 4 wire ports (T4 ABCD, TB5 ABCD)
 - Options for: 2 Ethernet RJ45, 2 Single Mode Fiber or 2 Multimode Fiber ports supporting independent Ethernet addressing
 - 2 Ethernet RJ45 ports supporting independent Ethernet addressing
- Optional cryptography TDEA, or AES
- All field connections via removable connector plugs
- Service port for direct computer connection and configuration with PC SmartPAC
- Power: 10-24 VDC, 7.2 W (12 VDC at 600 mA current)
- Environmental: -30°C – 70°C, 5-95% RH non-condensing
- Mechanical: 10.5" L x 7.5" W x 1" H, 2 lb
 - Same mounting footprint as other UHS network devices
- Designed to meet UL 1076, UL 294, UL 864 supplemental

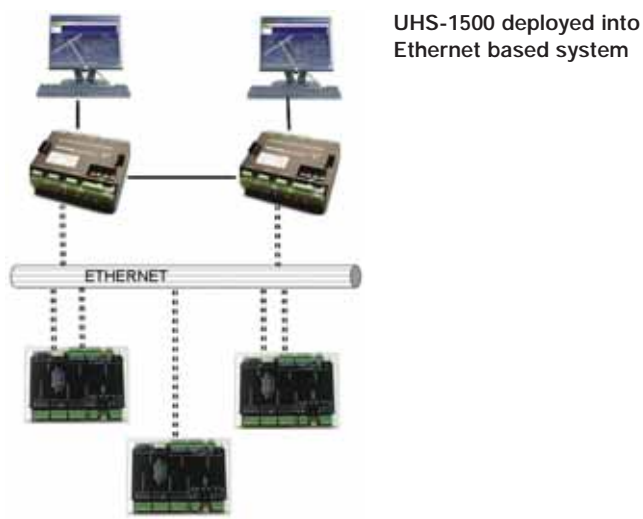
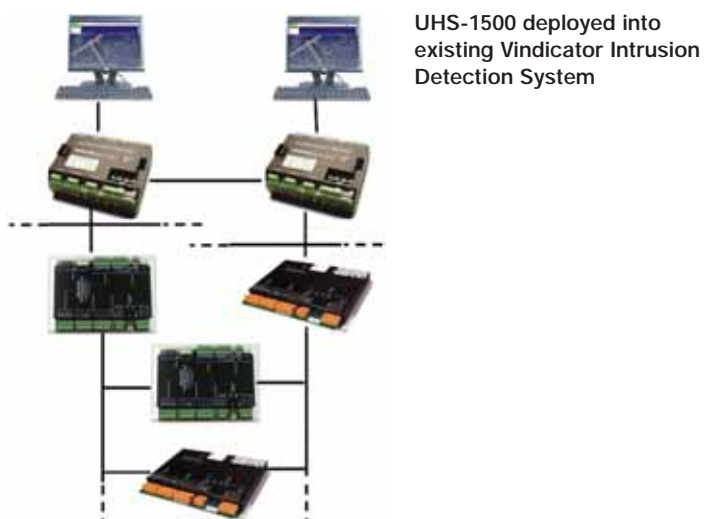
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UHS-NET COMPARISON CHART

	UHS-1500	UHS-6842	DES6842T	UHS-8400
Sensor Inputs	14	8	8	8
Sensor Outputs	4	4	4	0
UHS Network	2 RS 485 or 2 RJ45, SM Fiber or MM Fiber Ethernet	2 RS485	2 RS485	2 RS485
Cryptography	TDEA/AES	UHS	TDEA	UHS
Power Range	10-24 VDC @ 7.2 W	10-24 VDC @ 2.4 W	10-24 VDC @ 2.4 W	10-24 VDC @ 2.4 W
Operating Temp	-30°C – 70°C	-30°C – 70°C	-30°C – 70°C	-30°C – 70°C
Field Wiring	Removable Connectors	Removable Connectors	Removable Connectors	Removable Connectors

SYSTEM CONFIGURATION



ORDERING

548-34081-01	UHS-1500 Network Device, Wire/RJ45 Version
548-34081-11	TDEA-1500 Network Device, Wire/RJ45 Version
548-34081-21	AES-1500 Network Device, Wire/RJ45 Version
548-34081-02	UHS-1500 Network Device, 2 Each MM FO Version
548-34081-12	TDEA-1500 Network Device, 2 Each MM FO Version
548-34081-22	AES-1500 Network Device, 2 Each MM FO Version
548-34081-03	UHS-1500 Network Device, 2 Each SM FO Version
548-34081-13	TDEA-1500 Network Device, 2 Each SM FO Version
548-34081-23	AES-1500 Network Device, 2 Each SM FO Version
508-34082-02	Upgrade TDEA Encryption S/W for Existing UHS-1500
508-35231-01	Upgrade AES Encryption S/W for Existing UHS-1500 and V5
544-34393-00	RS-232 Cable

Automation and Control Solutions

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