USB ENVIRONMENT MONITORING SOLUTIONS



WATCHPORT® SENSORS

Create a made-to-order asset monitoring system with USB sensors and application software

Watchport USB sensors offer an easy Plug and Play solution for measuring distance/proximity, humidity and temperature. Creating a made-to-order monitoring system with Watchport sensors can preempt damage to equipment and facilities and also reduce costly system downtime and maintenance.

The Watchport Series is the first line of plug-and-play USB devices for 24/7 environmental monitoring. Asset monitoring is a key issue in reducing total cost of ownership by pre-empting system failures, extending the life of equipment and reducing downtime in mission-critical applications like branch server room management and equipment room monitoring.

Camera components for surveillance may be paired with sensors for proximity, water, temperature, and humidity to create a made-to-order monitoring system.

Applications for Watchport sensors include monitoring server room temperature/humidity; activating information kiosks when shoppers are nearby; or ending confidential HR kiosk sessions when users are no longer detected.

BENEFITS

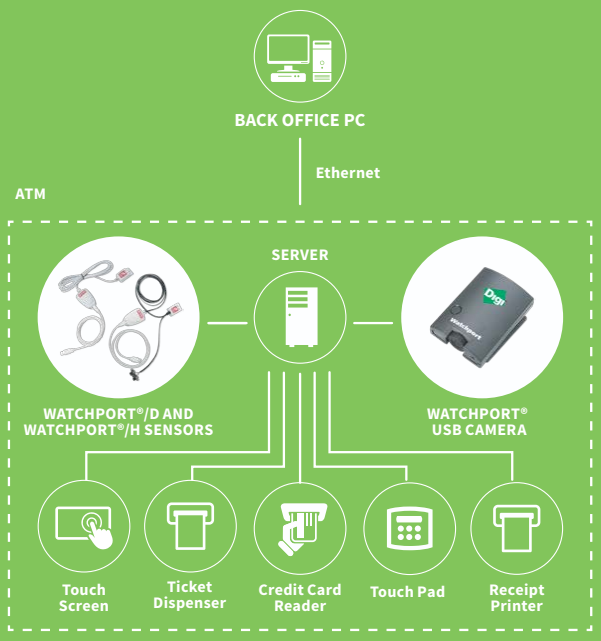
- Ideal for remote monitoring in POS (kiosks, ATMs), medical, data center and security applications
- Sensors include base unit with USB cable to host PC, sensing device with CAT5 cable to base unit, Microsoft® Windows® driver software
- Easy installation and configuration; USB-powered
- API available for application software development
- ASCII command interface available for integration with application software
- Remotely monitor and configure multiple sensors on an IP network with AnywhereUSB®

RELATED PRODUCTS



Watchport® Cameras | AnywhereUSB® | XBee® Sensors | Edgeport® | Hubport®

APPLICATION EXAMPLE



원문: Digi Watchport Sensors Watchport Sensors · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

SPECIFICATIONS	Watchport®/D	Watchport®/H	Watchport®/T
FEATURES			
SENSOR TYPE	Distance/Proximity	Humidity/Temperature	Temperature
MAXIMUM READING RATE	3 per second	20 per second	20 per second
SENSOR-SPECIFIC FEATURES	Photo-electric sensor with hardware controlled sensitivity Enables system event triggering with Watchport Manager (Automatic log-off; Automatic system lock; Run user-selectable files such as screen savers, batch files, scripts and executables) Detection range 1.6 to 4.9 ft (0.5 to 1.5 m) Maximum switching frequency: 100 Hz Response delay: ≤5.0 ms (typical)	Collects both relative humidity (RH) and temperature data Temperature compensated RH readings Configurable Watchport Manager alarm thresholds ASCII command interface wTemperature accuracy: +/- 3.6° F (+/- 2° C) at -40° F to 14° F (-40° C to -10° C) and +/- 0.9° F (+/- 0.5° C) at 14° F to 185° F (-10° C to 85° C) RH accuracy: +/- 5% at 0-90% non-condensing; +/- 8% over 90% RH stability: +/- 1% RH (typical) at 50% RH in 5 years	Configurable Watchport Manager alarm thresholds ASCII command interface Temperature accuracy: +/- 3.6° F (+/- 2° C) at -40° F to 14° F (-40° C to -10° C) and +/- 0.9° F (+/- 0.5° C) at 14° F to 185° F (-10° C to 85° C) Temperature resolution: 0.1° C
WATCHPORT MANAGER SOFTWARE* (INCLUDED)	Centralized device status; Historical data logging; User-defined thresholds; Cell phone, pager, email and onscreen alarms for remote monitoring; Easy integration of multiple sensors without additional software development; Minimizes into system tray to save screen space; *Free with Watchport sensors as courtesy for customers. Watchport Manager Software is use-as-is.		
POWER CONSUMPTION	70 mA (max)	15 mA (normal); 1.0 mA (suspend mode)	15 mA (normal); 1.0 mA (suspend mode)
MAXIMUM CAT5 UTP CABLE LENGTH	500 ft (152.46 m)	500 ft (152.46 m)	500 ft (152.46 m)
OPERATING SYSTEMS	Windows Vista®, Windows XP®, Windows® XP Embedded, Windows CE, Windows Server® 2003, Windows 2000		
DIMENSIONS (L X W X H)	Sensing Device: 1.75 in x 0.74 in x 0.85 cm (4.45 cm x 1.88 cm x 2.16 cm) USB Base Unit: 3.15 in x 1.75 in x 0.80 in	Sensing Device: 2.12 in x 1.19 in x 0.69 in (5.39 cm x 3.02 cm x 1.75 cm) USB Base Unit: 3.15 in x 1.75 in x 0.80 in (8.00 cm x 4.45 cm x 2.03 cm)	Sensing Device: 2.12 in x 1.19 in x 0.69 in (5.39 cm x 3.02 cm x 1.75 cm) USB Base Unit: 3.15 in x 1.75 in x 0.80 in (8.00 cm x 4.45 cm x 2.03 cm)
WEIGHT	Sensing Device: 3.00 oz (85.05 g); USB Base Unit: 3.00 oz (85.05 g)		
POWER REQUIREMENTS			
POWER SUPPLY	USB-powered (no external power supply required)		
ENVIRONMENTAL			
OPERATING TEMPERATURE	Sensing Device: -40° F to +185° F (-40° C to +85° C); USB Base: 32° F to 149° F (0° C to 65° C)		
RELATIVE HUMIDITY	0% to 95% (non-condensing)		
REGULATORY APPROVALS			
SAFETY	EN60950, UL 1950, CSA 2.2 No. 950, IEC 950		
EMISSIONS/IMMUNITY	CE, FCC Part 15 Class B, EN55022, EN55024		

PART NUMBERS	DESCRIPTION
301-1141-01	Watchport/H Humidity/ Temperature Sensor
301-1144-01	Watchport/T Temperature Sensor
301-1146-01	Watchport/D Distance Sensor

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