Watchport® Sensors

USB Environment Monitoring Solutions

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



Overview

Watchport USB sensors offer an easy Plug and Play solution for measuring distance, proximity, humidity, temperature and presence of water. 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.

Watchport® Manager* application software provides centralized device status and historical data logging, and allows the easy integration of multiple Watchport devices without additional software development. The customizable software can send email, beeper or phone alerts when undesirable conditions are detected, making it ideal for remote monitoring in point-of-sale (kiosks, ATMs), medical and server room applications.

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

Target Applications



Retail/POS



Medical/Health Care

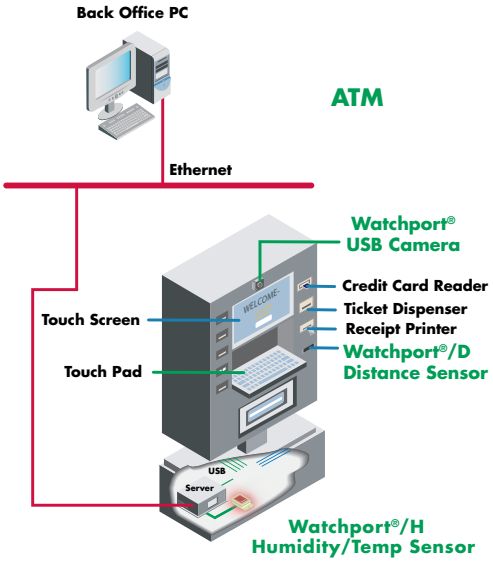


Data Center Management



Building Automation/ Security

Application Highlight



Features/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®

Specifications	Watchport®/D	Watchport®/H	Watchport®/T	Watchport®/W
Features				
Sensor Type	Distance/Proximity	Humidity/Temperature	Temperature	Water detector
Maximum Reading Rate	3 per second	20 per second		5 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 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) 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	2 gold-plated pins detect wetness on non-conducive surface Binary output with "Wet" or "Dry"readings
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)		
Maximum CAT5 UTP Cable Length	500 ft (152.46 m)			1000 ft (304.8 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 (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			

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