

Watchport™/H



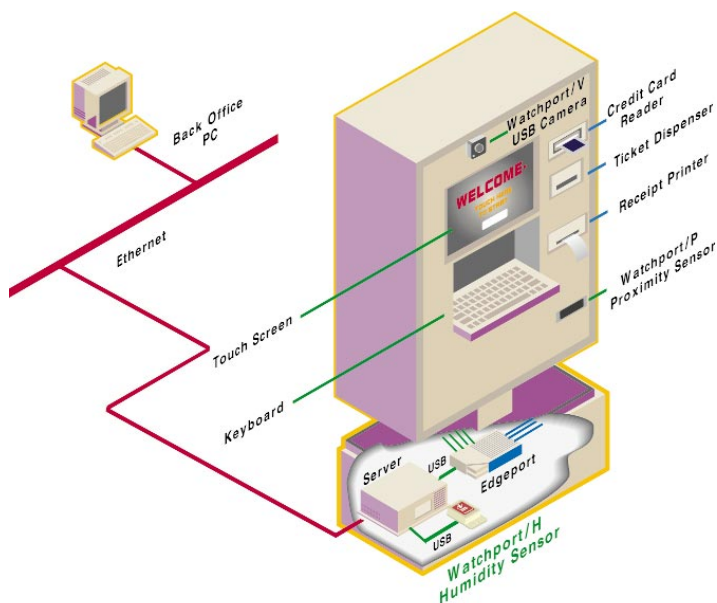
Connectware™

Remotely Monitor Relative Humidity and Temperature Levels

The Watchport/H Humidity & Temperature Sensor is the first Plug-and-Play USB device for monitoring relative humidity (RH) levels and temperature in branch server rooms, kiosks, factories or any mission-critical environment. Watchport Manager software provides centralized device status and historical data logging, and allows the integration of multiple Watchport devices without additional software development. The fully customizable software enables users to receive email, beeper or phone alerts when RH levels and/or temperatures fall outside a specified range, making it an ideal remote monitoring solution. Watchport/H can pre-empt damage to equipment and facilities, as well as reduce costly downtime and maintenance. For added flexibility, the sensing device may be placed up to 152 meters (500 feet) from the host PC or server.



Point-of-Sale



Easy USB Installation and Software Customization for 24/7 Environmental Monitoring

- ▶ Dual-purpose sensor collects both RH and temperature data
- ▶ USB-attached sensor is easy to install, cost-effective, does not require an external power supply and operates with low power consumption
- ▶ Watchport Manager software included at no additional cost; provides centralized device status and allows remote monitoring; sensor API included for easy integration into existing applications
- ▶ Sensing device may be placed up to 152 meters (500 feet) from host with CAT 5 UTP cable
- ▶ Remotely monitor and configure multiple Watchport Sensors on an IP network with AnywhereUSB™ Remote I/O Concentrator
- ▶ Supports Windows® NT 4.0, NT Embedded, CE, Me, XP, XP Embedded, 95, 98, and 2000

Get **out** of the box *today.*

Watchport Series Products and Part Numbers

WATCHPORT MONITORS

NAME	DESCRIPTION	PART #
Watchport/H	Humidity & Temperature Sensor	301-1141-01
Watchport/P	Proximity Sensor	301-1143-01
Watchport/T	Temperature Sensor	301-1144-01
Watchport/W	Water Detector	301-1145-01

WATCHPORT VISION

NAME	DESCRIPTION	PART #
Watchport/V	USB Camera	301-9010-01
Watchport/VE	Video Encoder	301-9020-01

*All Watchport Monitors include Watchport Manager software, 1 meter USB cable and 2 meter cable terminated in RJ-45 connector.



Point-of-Sale



Industrial Automation



Watchport/H

Watchport/H Technical Features and Specifications

FEATURES

- Includes USB-attached base unit, RJ-45-attached sensing device and Watchport Manager software
- Sensor utilizes ASCII command interface to collect both %RH and temperature data
- Temperature compensated RH readings
- Watchport Manager software sends email, beeper or phone alerts for remote monitoring
- Includes 2 m (6.56 ft) cable terminated in RJ-45 connector and 1 m (3.28 ft) USB cable
- Extend distance between base and sensing device with CAT 5 UTP cable, or use crimping tools to shorten cable

SPECIFICATIONS

- Measurement range: 0 to 100% RH, non-condensing
- Maximum measurement rate: 1 per second
- Response time: 15 sec in slowly moving air at 25°C (77°F)
- Temperature accuracy: +/- 2°C (+/- 3.6°F) at -40°C to -10°C (-40°F to 14°F) and +/- 0.5°C (+/- 0.9°F) at -10°C to 85°C (14°F to 185°F)
- RH accuracy: +/- 5% RH 0-90% non-condensing; +/- 8% RH over 90%

- RH stability: +/- 1% RH typical at 50% RH in 5 years
- Power consumption: 15 mA (normal); 1.0 mA (suspend mode)
- Maximum CAT 5 UTP cable length: 152.46 m (500 ft)
- Maximum USB cable range: 5 m (16.40 ft)
- Base unit operating temperature range: 0°C to 65°C (32°F to 149°F)
- Sensing device operating temperature range: -40°C to 85°C (-40°F to 185°F)

SYSTEM REQUIREMENTS

- Supported OS: Windows 2000, NT 4.0*, NT Embedded, XP, XP Embedded, Me, 98, 95 (OSR2)
- 1 available USB port
- * Requires Inside Out Networks NT 4.0 USB stack running on host PC

POWER REQUIREMENTS

- No external power supply needed (USB-powered)

SENSING DEVICE DIMENSIONS

- Height: .69 in (1.75 cm)
- Width: 1.19 in (3.02 cm)
- Length: 2.12 in (5.40 cm)
- Weight: 3 oz (85.05 g)

USB BASE DIMENSIONS

- Length: 3.15 in (8.0 cm)
- Height: 0.80 in (2.03 cm)
- Width: 1.75 in (4.44 cm)
- Weight: 3 oz (85.05 g)

CERTIFICATIONS

- FCC Part 15, Class B
- CE Certified: EN 55022, 55024, 60950
- UL 1950; CSA 22.2 No. 950
- IEC-950

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