Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

DIGI

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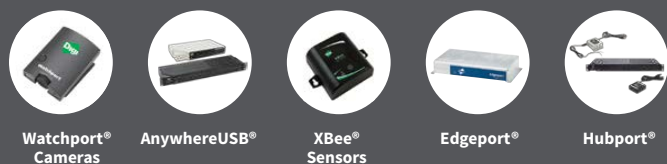
Camera components for surveillance may be paired with sensors for proximity, water, temperature, and humidity to create a made-to-order monitoring system.

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.
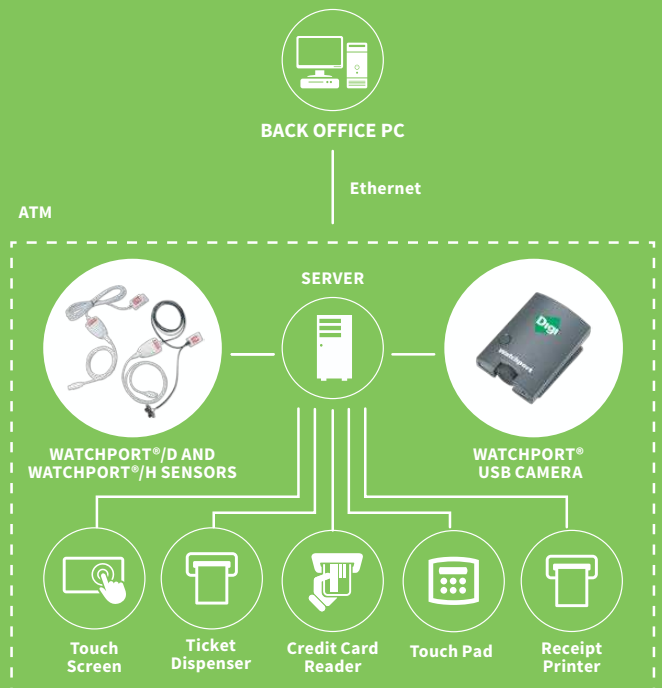
BENEFITS

– 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

BACK OFFICE PC

Ethernet

ATM

SERVER

WATCHPORT®/D AND WATCHPORT®/H SENSORS

WATCHPORT® USB CAMERA

Touch Screen

Ticket Dispenser

Credit Card Reader

Touch Pad

Receipt Printer

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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