

DATASHEET

WatcherJET 3.0

WatcherJET is an IIoT data collection device offering persistent access to real-time data. It seamlessly integrates with any digital sensor, enabling it to collect a wide range of data, such as production volume and environmental data.



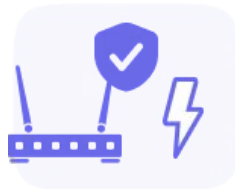
How it works?

WatcherJET uses sensors to gather data and transmits it to a web-based user interface which allows for real-time analysis and visualization. It is ideal for collecting production line data, including machine conditions, production volume, temperature, and more.



Non-Invasive

Integrating seamlessly with pre-existing infrastructure



Reliable

Preventing data loss during power outage and network issues



Plug & Play

Effortless installation without interrupting the production process

Installation Checklist



WatcherJET



Access Point



Sensors



Power supply unit

General Details

Sensor input	2 Digital input (6-36v)
Dimensions WxHxD	145×50×160
Weight	450 g
Enclosure material	Iron
Protection	IP50
Connector Power	1×8 Phonix
Connector Sensor	1×8 Phonix
Operating temperature	-10 to 50 °C

Power

Input power	12-24v DC
Input current	2A

Sensor Input Digital

Sensor input levels	6-36v Bidirectional DC
Input frequency max	10k Hz
Pulse width minimum	20us
Sensor type	Encoder, Obstacle, Digital
Counter increment	Rising edge
Extra Connectivity	RS485

Sensor Input Analog

Sensor input levels (via convertors)	0-5v
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Connectivity

Connection types	WiFi, LAN
LTE bands	usb tethering
Wi-Fi frequencies	2 GHz
IEEE 802.11 standards	WLAN

EMC Emission

Radiated emission and conducted emission	EN 55016-2-3: 2010 A1: 2010 A2: 2014
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Output

U1 and U2	2× 15A MOSFET
B1 and B2	2× 15A MOSFET
Buzzer	1× 20mA NPN
Ejector	1× 20mA NPN

Power Supply Unit (Recommended)

Input Voltage	12-24v DC
Output Voltage	12-24v DC
Input Current	100mA
Maximum output current	2A
Frequency	50Hz
Operating Temperature	-10 to 50 °C



Maintenance & Support

You can request support via contact@monitait.com