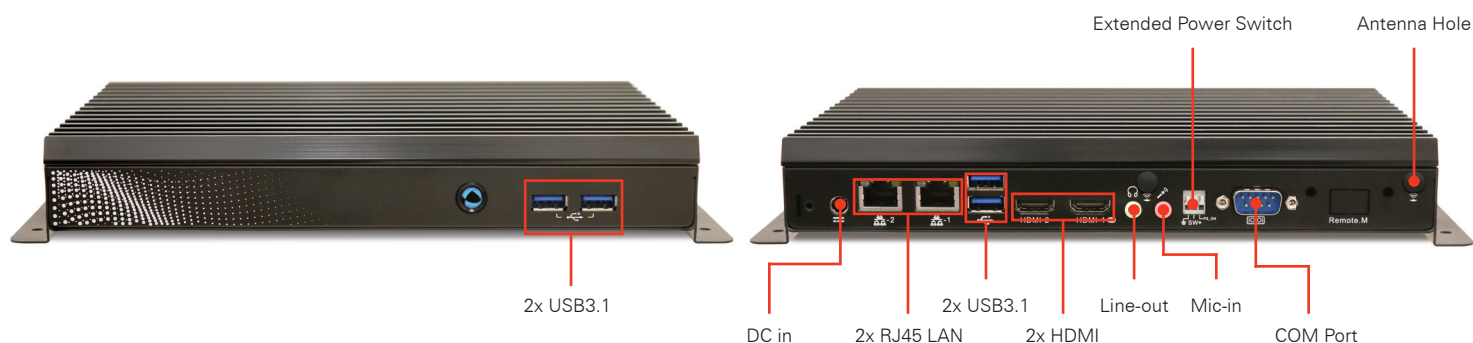# Rugged design for industrial applications
in harsh environments
DEX3450-W

The top cover of the DEX3450W is the main heat sink. This means that the heat generated from the processing power, is released, to ensure a stable productivity. Due to the wide temperature range, warm factories and warehouses are no issue at all. The DEX is able to drive a variety of cameras with the USB and LAN ports, works for quality control with its RS232 and is also used in assembly lines or simple automation.

The DEX3450-W features:

+   Rugged and fanless design
+   Suitable for industrial automation and quality control
+   Supports TPM 2.0
+   Wide operating temperature range (-20° ~ 60°C)

DEX3450-W

Extended Power Switch   Antenna Hole

2x USB3.1

DC in   2x RJ45 LAN   2x USB3.1   Line-out   Mic-in   COM Port
2x HDMI

Model name	DEX3450-W
Features	

Dimension	W x H x D (mm)	240 x 35 x 158 mm
	W x H x D (inch)	9.44 x 1.38 x 6.22 inch
Weight	Net Weight	1.82 kgs / 4.01 lbs
	Gross Weight	2.05 kgs / 4.52 lbs
Mechanical	Housing	Aluminium + SECC
	Mounting	L Type Wall Mount
Supports OS		Windows 10 IoT
IoT SW integration (AiCU)		-
Certification		FCC, CE, NRTL, CB, RoHS
Warranty		2 Years
Specifications		
Processor	CPU	Intel® Celeron® J3455 (Quad Core)
	L2 Cache	2MB
	BIOS	AMI UEFI
Memory	Onboard	-
	Expansion	DDR3L SO-DIMM (x 2), 1866Mhz, up to 8GB
Graphics	Chipset	Intel® Core™
		Intel® HD Graphics 500
Expansion slot		M.2 2230 x 1 M.2 2242 x 2
Ethernet	Chip	Realtek Gigabit Ethernet RTL8111H x 2
	Speed	10 / 100 / 1000 Mbps

Storage	2.5″ SSD	x 1
	mSATA	x 1 (60GB onboard)
System I/O	DC Jack	x 1 (12 / 19V)
	Graphics Port	x 2 (HDMI2.0 x 1, HDMI1.4b x 1)
	USB 2.0 Port	-
	USB 3.0 Port	-
	RJ45 LAN	x 2
	Audio	Line-out x 1, Mic-in x 1
	Antenna Holes	x 1
	COM Port	x 1
	Other	Extended Power Switch x 1
Power Requirement	Input Voltage	AC 100 ~ 240V
	Power Adapter	19V / 4.74A 90W
Power Consumption	Typical	15W
	Max	34W
Environment		
Operating Temperature		-20 ~ 60ºC
Storage Temperature		-30 ~ 70ºC
Relative Humidity		90% RH (60ºC Non-Condensing)
Vibration During Operation		1G / Random, 30min per axis in all 3 axes
Shock During Operation		Half sine, 8G 11ms duration
EMC		-

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Supports: