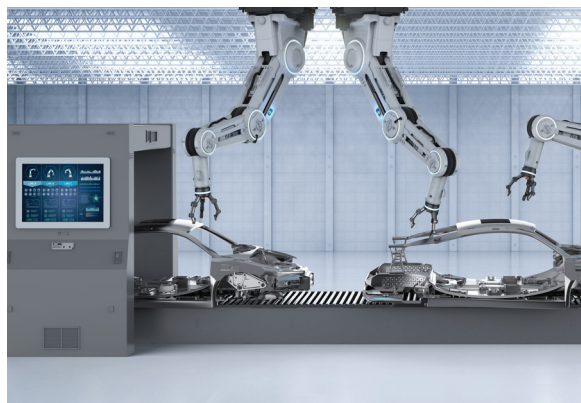![AOPEN - Bright Ideas Connected]

Rugged design for industrial applications
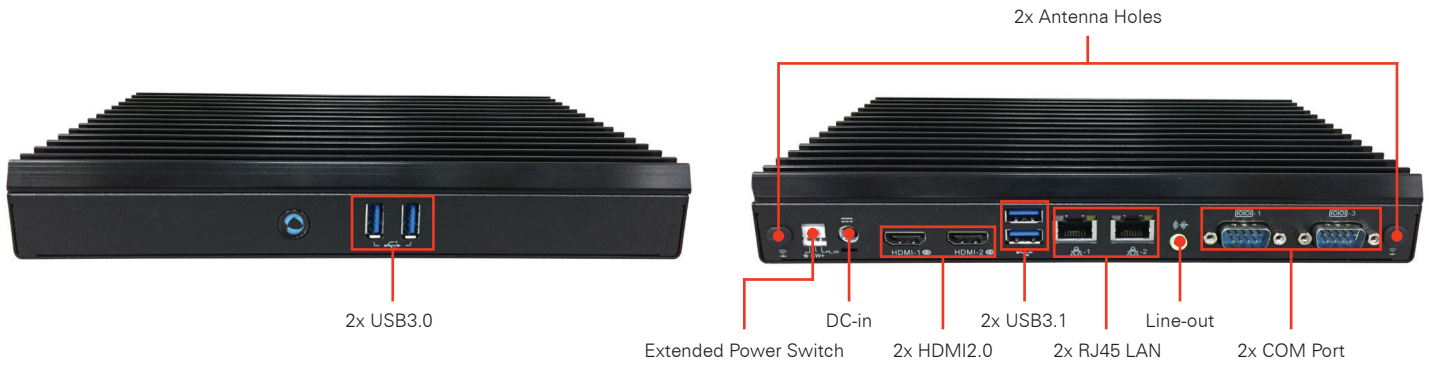## in harsh environments
DEX5550-W

The DEX5550-W is a fanless Industrial Engine, based on the DEX5550. With a high operating temperature and the fact that the DEX5550-W withstands shocks, make this device perfect for demanding environments, such as factories. The 7th generation Intel® Core™ CPU is powerful and ensures a stable, high-end operating player which functions 24/7. Specifically designed for quality control and industrial automation.

The DEX5550-W features:
+ Rugged and fanless design
+ Suitable for industrial automation and quality control
+ Supports TPM 2.0
+ Wide operating temperature range (-20° - 60°C)

DEX5550-W

2x Antenna Holes

2x USB3.0

Extended Power Switch | DC-in | 2x HDMI2.0 | 2x USB3.1 | 2x RJ45 LAN | Line-out | 2x COM Port

Model name		DEX5550-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, LVD, CCC, BSMI
Warranty		3 Years
Specifications		
Processor	CPU	7th Generation Intel® Core™ i5
	L2 Cache	6MB
	BIOS	AMI UFEI
Memory	Onboard	–
	Expansion	DDR4 (x 2), 2133Mhz, up to 32GB
Graphics	Chipset	Intel® Core™
		Intel® HD Graphics 610 / 620 / 640
Expansion slot		M.2 2230 x 1 M.2 2242 x 2
Ethernet	Chip	Realtek Gigabit Ethernet i210AT / i219LM
	Speed	10 / 100 / 1000 Mbps

Storage	2.5" SSD	-
	mSATA	-
System I/O	DC Jack	x1 (12 / 19V, 5517)
	Graphics Port	x2 (HDMI2.0)
	USB 2.0 Port	-
	USB 3.0 Port	x2
	RJ45 LAN	x 2
	Audio	Line-out x 1
	Antenna Holes	x 2
	COM Port	x 2
	Other	Extended Power Switch x 1 USB3.1 x 2
Power Requirement	Input Voltage	DC 12 ~ 19V
	Power Adapter	19V / 4.74A 90W
Power Consumption	Typical	15W
	Max	15W
Environment		
Operating Temperature		-20 ~ 60ºC
Storage Temperature		-30 ~ 70ºC
Relative Humidity		90% RH (55ºC Non-Condensing)
Vibration During Operation		1G / Random, 30min per axis in all 3 axes
Shock During Operation		Half sine, 8G 11ms duration
EMC		-

Supports:

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