

The image displays a range of iFactory industrial computing hardware. In the background, two large monitors show complex data dashboards. The left monitor features a line graph with multiple data series and a table below it. The right monitor shows a similar interface with a table of data points. In the foreground, three smaller industrial PCs are visible, each with various ports (USB, Ethernet, video) on their front panels. To the right of these PCs is a flat-panel monitor. A green iFactory logo, consisting of a stylized 'i' and 'F' with a clock icon, is prominently displayed in the center of the image.

Solution Ready Package

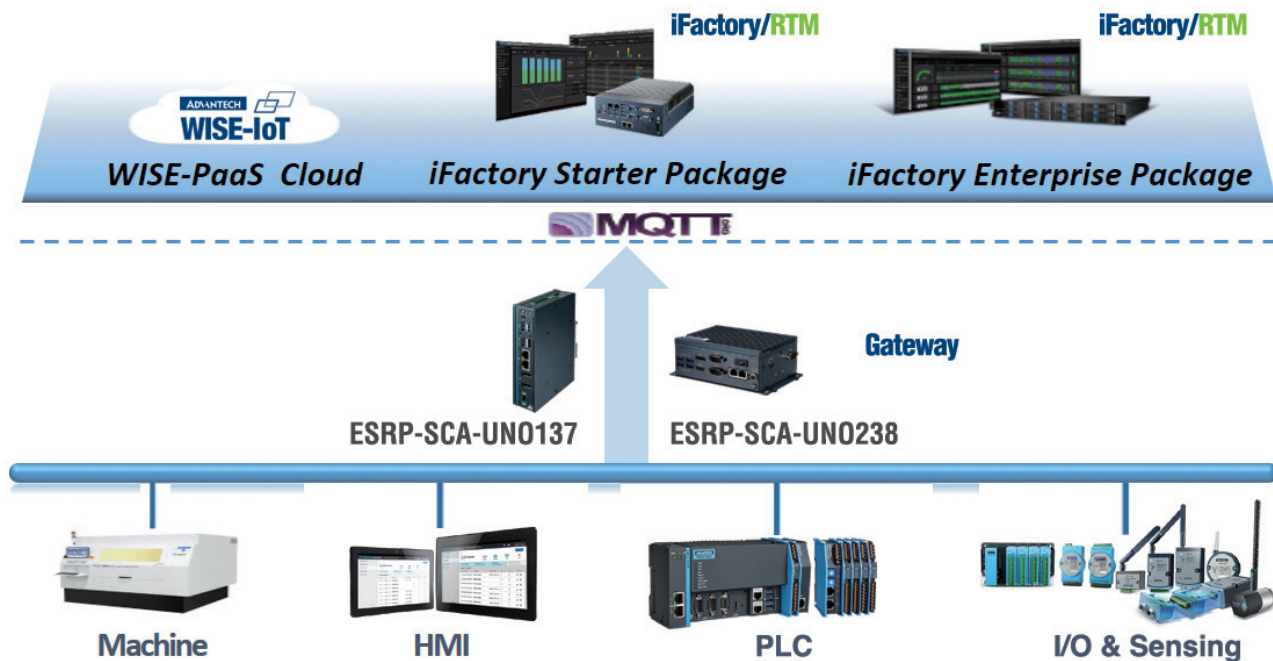
- PPC-415: 15" fanless panel PC with 11th Gen Intel® Core™ i3/i5/i7 processors, built-in 16G RAM, 128G ROM
- TPC-315: 15" touch panel computer with 8th Gen Intel® Core™ i3/i5/i7 processors, built-in 16G RAM, 128G ROM
- MIC-770 V2: 10th Gen Intel® Core™ CPU i3/i5/i7 processors with Intel® W480E chipset, 16GB/32GB DDR4 onboard memory
- UNO-238: 8th Gen Intel® Core™ i5 processor with 8GB DDR4 onboard memory
- UNO-137: Intel® Atom™ x5-E3940 processor with 8GB DDR3L onboard memory
- Supports data preprocessing to increase accuracy
- Easy configuration and simple dashboard for real time monitoring
- Quickly connect with Advantech iFactory cloud solutions through MQTT

iFactory RTM (Real-Time Monitoring) is an IIoT solution which enables sensors and data to communicate with each other based on supported protocols. Through the easy configuration of the iFactory/RTM data acquisition software, you can create a simple visual dashboard which monitors real time data – allowing the user to monitor production data and configure events and settings. iFactory RTM also pre-processes and aggregates data, which reduces unnecessary relays to the cloud, thereby lowering overall solution cost. We also provide a total solution that allows you to upload pre-processed data through iFactory/RTM to our cloud solution through MQTT.

iFactory/RTM

- Web gateway user interface for remote setting and maintenance.
- Simple dashboard for real time monitoring.
- Quickly connect with Advantech iFactory's cloud solutions through MQTT.
- Provides simple event and alarm settings.
- Lower data transition volume to cloud saves storage costs.
- Pre-processing for specific threshold is reached in system performance metrics (apply in TPC & PPC series).





Selection of Gateway Service

Part Number	ESRP-SCA-UNO137		ESRP-SCA-UNO238	ESRP-CNC-UNO137
SRP Software	OS	Win10		
	User Interface	Graphical User Interface		
	Software	WebAccess Pro with 1500 tags	WebAccess Pro with 1500 tags	WebAccess/CNC 75 tags, 5 machine connection
	Container Tech	Docker on Ubuntu		
	Database	InfluxDB Version 1.8 & Mongo Version 4		
	Customized Graphic Platform	Official Grafana/Dashboard		
	Browser	Supports HTML5 Browser (Recommend Google Chrome)		
	Language	English		
SRP Hardware	Hardware Platform	UNO-137	UNO-238	UNO-137
	CPU	Intel® Atom™ E3940 (1.33 GHz)	Intel® Core™ i5-8365UE (4.10 GHz)	Intel® Atom™ E3940 (1.33 GHz)
	Memory	8 GB DDR3L	8GB DDR4	8 GB DDR3L
	Storage	128 GB SSD	32+256 GB SSD	64 GB SSD
	Power Supply Unit	Option		
	I/O & Port	2 x LAN		2 x LAN
		2 x COM		2 x COM
		3 x USB 3.0	2 x GbE	3 x USB 3.0
		1 x USB 2.0	4 x USB3.2	1 x USB 2.0
		2 x DP 1.2	2 x RS-232/422/485	2 x DP 1.2
		8 x DI	1 x HDMI,	8 x DI
		8 x DO	1 x DP	8 x DO
		1 x M.2	1 x GPIO (8bit)	1 x M.2
		1 x mPCIe		1 x mPCIe
	Certifications	CE, FCC Class A, UL, CCC, BSMI		

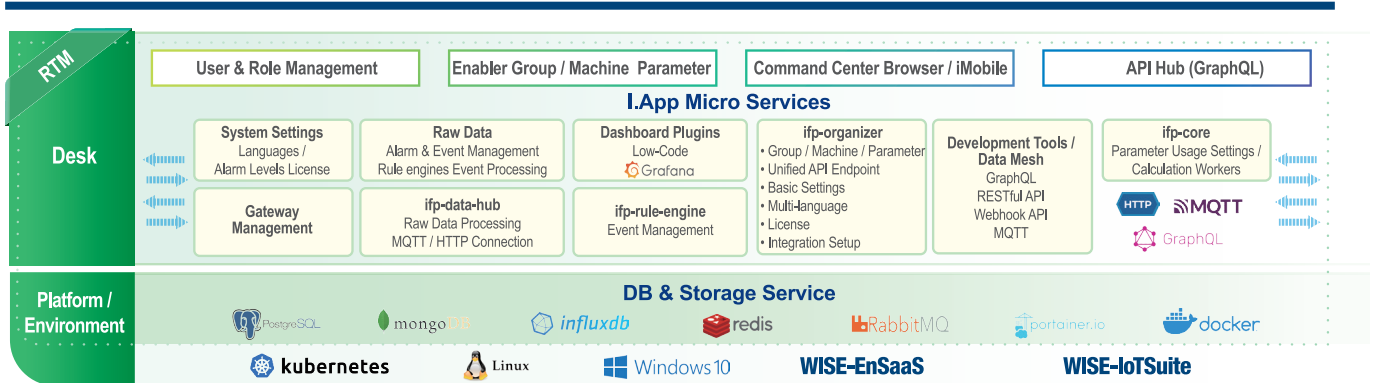
Ordering Information

Part Number	Description
ESRP-SCA-UNO137	UNO-137, 1500 tags, 128G SSD, Win10, SCADA
ESRP-SCA-UNO238	UNO-238, 1500 tags, 32+256G SSD, Win10, SCADA

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

iFactory RTM



Selection of Gateway Service

Part Number	IFS-RTM-U238L3A	IFS-RTM-U238L4A
SRP Software	Software	iFactory/RTM 1000 tag/5s (suggested)
	Container Tech	iFactory/RTM 2000 tag/5s (suggested)
	Database	Docker on Ubuntu
	Customized Graphic Platform	InfluxDB Version 1.8 & Mongo version 4
	Browser	WISE-PaaS/Dashboard (dashboard edge lite plan with multi-language)
	Language	Supports HTML5 Browser (recommend google chrome)
SRP Hardware	Hardware Platform	English
	CPU	UNO-238-83N1A0
	Memory	i3-8145UE, 2Core, 3.90 GHz
	Storage	i5-8365UE, 4core, 4.10 GHz
	Power Supply Unit	16GB DDR4 2666Mhz
	Operating Temperature	32GB DDR4 2666Mhz
	I/O & Port	128GB SSD SATA3
	Certifications	256GB SSD SATA3

Ordering Information

Part Number	Description
IFS-RTM-U238L3A	UNO-238,i3,16G,128G,Linux,iFactory/RTM
IFS-RTM-U238L4A	UNO-238,i5,32G,256G,Linux,iFactory/RTM

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

Selection of Edge Computing Service

Solution Ready Package		Manufacturing Edge (M770-Linux)	
Part Number		IFS-RTM-M770L4A	IFS-RTM-M770L5A
SRP Software	OS	AdvLinuxTU	
	Software	iFactory/RTM 2000 tags/s (suggested)	iFactory/RTM 4000 tags/s (suggested)
	Container Tech	Docker on Ubuntu	
	Database	InfluxDB Version 1.8 & Mongo version 4	
	Customized Graphic Platform	WISE-PaaS/Dashboard (dashboard edge lite plan with multi-language)	
	Browser	Supports HTML5 browser (recommend google chrome)	
SRP Hardware	Hardware Platform	MIC-770W-20A1	
	CPU	Intel Core 2.3G 12M, 6 core i5-10500TE	Intel Core 2.0G 16M, 8 core i7-10700TE
	Memory	32G DDR4	32G DDR4
	Storage	C drive: 128GB, mSATA SSD D drive: 512G SSD	C drive: 128GB, mSATA SSD D drive: 1TB SSD
	Power Supply Unit	230W adapter	
	I/O & Port	RJ45 x 2, VGA x 1, HDMI x 1, USB x 8, COM x 4	
	Certifications	EMC: CE/FCC Class A, CCC, BSMI Safety: CB/UL, CCC, BSMI	

Ordering Information

Part Number	Description
IFS-RTM-M770L4A	MIC770/i5/32G/128&512G/Linux/Desk Pro for edge
IFS-RTM-M770L5A	MIC770/i7/32G/128&1T/Linux/Desk Pro for edge

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

Selection of Edge Computing Service

Solution Ready Package		Manufacturing Edge (M770-Windows)	
Part Number		IFS-RTM-M770W4A	IFS-RTM-M770W5A
SRP Software	OS	Windows 10	
	Software	iFactory/RTM 2000 tags/s (suggested)	iFactory/RTM 4000 tags/s (suggested)
	Container Tech	Docker on Ubuntu	
	Database	InfluxDB Version 1.8 & Mongo version 4	
	Customized Graphic Platform	WISE-PaaS/Dashboard (dashboard edge lite plan with multi-language)	
	Browser	Supports HTML5 browser (recommend google chrome)	
SRP Hardware	Hardware Platform	MIC-770W-20A1	
	CPU	Intel Core 2.3G 12M, 6 core i5-10500TE	Intel Core 2.0G 16M, 8 core i7-10700TE
	Memory	32G DDR4	32G DDR4
	Storage	C drive: 128GB, mSATA SSD D drive: 512G SSD	C drive: 128GB, mSATA SSD D drive: 1TB SSD
	Power Supply Unit	230W adapter	
	I/O & Port	RJ45 x 2, VGA x 1, HDMI x 1, USB x 8, COM x 4	
	Certifications	EMC: CE/FCC Class A, CCC, BSMI Safety: CB/UL, CCC, BSMI	

Ordering Information

Part Number	Description
IFS-RTM-M770W4A	MIC770/i5/32G/128&512G/Win10/Desk Pro for edge
IFS-RTM-M770W5A	MIC770/i7/32G/128&1T/Win10/Desk Pro for edge

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

Selection of Edge Computing Service

Solution Ready Package	Manufacturing Edge(M7700-Linux)		
Part Number	IFS-RTM-M7700L3A	IFS-RTM-M7700L4A	IFS-RTM-M7700L5A
SRP	Operation System		
Software	AdvLinuxTU		
	Software	iFactory/RTM 1000 tag/5s (suggested)	iFactory/RTM 2000 tag/5s (suggested)
	Container Tech	iFactory/RTM 4000 tag/5s (suggested)	
	Database	InfluxDB Version 1.8 & Mongo version 4	
	Customized Graphic Platform	WISE-PaaS/Dashboard (Dashboard Edge Lite plan with multi-language)	
	Browser	Supports HTML5 browser (recommend google chrome)	
SRP Hardware	Hardware Platform	MIC-7700Q	
	CPU	Intel Core 2.3G 6M 2Core i3-7101E	Intel Core 2.3G 6M, 4Core i5-7500TE
	Memory	16G DDR4	32G DDR4
	Storage	C drive: 128GB, mSATA SSD D drive: 128G SSD	C drive: 128GB, mSATA SSD D drive: 512G SSD
	Power Supply Unit	150W adapter	
	I/O & Port	RJ45 x 2, VGA x 1, HDMI x 1, USB x 8, COM x 4	
	Certifications	CE / FCC / UL / CCC	

Ordering Information

Part Number	Description
IFS-RTM-M7700L3A	MIC7700,i3,16G,128&128G,Linux,iFactory/RTM
IFS-RTM-M7700L4A	MIC7700,i5,16G,128&512G,Linux,iFactory/RTM
IFS-RTM-M7700L5A	MIC7700,i7,32G,128&1T,Linux,iFactory/RTM

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

Selection of Edge Computing Service

Solution Ready Package	Manufacturing Edge(M7700-Windows)		
Part Number	IFS-RTM-M7700W3A	IFS-RTM-M7700W4A	IFS-RTM-M7700W5A
SRP	Windows 10		
Software	Software	iFactory/RTM 1000 tag/5s (suggested)	iFactory/RTM 2000 tag/5s (suggested)
	Container Tech	iFactory/RTM 4000 tag/5s (suggested)	
	Database	InfluxDB Version 1.8 & Mongo version 4	
	Customized Graphic Platform	WISE-PaaS/Dashboard (Dashboard Edge lite plan with multi-language)	
	Browser	Supports HTML5 browser (recommend google chrome)	
SRP Hardware	Hardware Platform	MIC-7700Q	
	CPU	Intel Core 2.3G 6M 2Core i3-7101E	Intel Core 2.3G 6M, 4 Core i5-7500TE
	Memory	16G DDR4	32G DDR4
	Storage	C drive: 128GB, mSATA SSD D drive: 128G SSD	C drive: 128GB, mSATA SSD D drive: 512G SSD
	Power Supply Unit	150W adapter	
	I/O & Port	RJ45 x 2, VGA x 1, HDMI x 1, USB x 8, COM x 4	
	Certifications	CE / FCC / UL / CCC	

Ordering Information

Part Number	Description
IFS-RTM-M7700W3A	MIC7700,i3,16G,128&128G,Win10,iFactory/RTM
IFS-RTM-M7700W4A	MIC7700,i5,16G,128&512G,Win10,iFactory/RTM
IFS-RTM-M7700W5A	MIC7700,i7,32G,128&1T,Win10,iFactory/RTM

Optional Accessories

Part Number	Description
1702002600	Power cord, 3-pin, 10A 125V, 1.8M, UL type
1702031801	Power cord, 3-pin, 10A 250V, 1.8 M, UK type
1700018705	Power cord, 3-pin, 10A 250V, 1.8 M, EU type
1702002605	Power cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
AQD-SD4U16N24-SE	Optional DDR4-2400 Memory (16GB)

Selection of Intelligent All-in-One

Solution Ready Package	15" XGA Intelligent All-in-One (TPC-315, WinOS)	
Part Number	IFS-RTM-T315W3A	IFS-RTM-T315W4A
SRP Software	OS	Windows 10
	Software	Preprocess 100 tags/5s (suggested) Preprocess 500 tags/5s (suggested)
	Container Tech	Docker on Ubuntu
	Database	InfluxDB Version 1.8 & MongoDB version 4
	Customized Graphic Platform	WISE-PaaS/Dashboard (Dashboard Edge plan with multi-language)
	Browser	Supports HTML5 browser (recommend google chrome)
SRP Hardware	Hardware Platform	TPC-315
	Panel cutout dimensions	306.1 x 230.1 mm (12.05 x 9.06 in)
	CPU	Intel® Core™ i3-8145UE 2.20GHz Intel® Core™ i5-8365UE 1.60GHz
	Memory	8G*2 DDR4 8G*2 DDR4
	Storage	128G M.2 SATA3 SSD 128G M.2 SATA3 SSD
	Power Supply Unit	120W adapter
	I/O & Port (Direction: Horizontal)	2 x RS-232/422/485 1 x USB 2.0 4 x USB 3.2 (Gen 2) 1 x iDoor slot 1 x Display port (Video output) 1 x Audio line out/ mic in
		1 x M.2 M key 2280 (SATA or NVMe PCIe x4) 1 x 2.5" SSD/ HDD (SATA, Max. 7mm) 1 x Full-size mini PCIe
	Expansion	
	Certifications	BSMI, CCC, CE, FCC Class A, CB/UL

Ordering Information

Part Number	Description
IFS-RTM-T315W3A	TPC-315/15"/i3/16G/128G/Win10/RTM preprocess 100 tags
IFS-RTM-T315W4A	TPC-315/15"/i5/16G/128G/Win10/RTM preprocess 500 tags

Optional Accessories

Part Number	Description
1702002600	Power Cord, 3-pin, 10A 125V, 1.8 M, UL type
1702031801	Power Cord, 3-pin, 10A 125V, 1.8 M, UK type
1702002605	Power Cord, ENEC 3-pin, 10A 250V, 1.8 M, EU type
1700000596-11	Power Cord 10 A 250V 1.8 M, China/Australia type

Selection of Intelligent All-in-One

Solution Ready Package	15" XGA Intelligent All-in-One (PPC-415, WinOS)		
Part Number	IFS-RTM-P415W3A	IFS-RTM-P415W4A	IFS-RTM-P415W5A
SRP Software	OS	Windows 10	
	Software	Preprocess 100 tags/5s (suggested)	Preprocess 500 tags/5s (suggested)
	Container Tech	Docker on Ubuntu	
	Database	InfluxDB Version 1.8 & Mongo version 4	
	Customized Graphic Platform	WISE-PaaS/Dashboard (Dashboard Edge plan with multi-language)	
	Browser	Supports HTML5 browser (recommend google chrome)	
SRP Hardware	Hardware Platform	PPC-415	
	Panel Cutout Dimensions	382 x 303 mm (15.03 x 11.92 in)	
	CPU	Intel® Core™ i3-1115G4E 2.20 GHz	Intel® Core™ i5-1145G7E 1.50GHz
	Memory	16G DDR4	16G DDR4
	Storage	128G M.2 SATA3 SSD	128G M.2 SATA3 SSD
	Power Supply Unit	90W adapter	
	I/O & Port (Direction: Vertical)	5 x Serial ports: 2 x RS-232, 1 x RS-422/485 with 1K VDC isolation, 2 x RS-232 (on right side optional) 4 x USB 3.2, 1 x USB2.0 (optional) 1 x Line-Out, 1 x Mic-In 1 x HDMI 1.4 1 x DisplayPort (1.2)	
	Expansion	1 x SODIMM DDR4 3200, Max. 32GB of each slot 1 x M.2 2242/2280 M Key slot for Storage(SATA or NVME PCIe) 1 x M.2 2230 E Key slot for wireless card 1 x M.2 3042/3052 B key slot for 4G/5G module (PCIe or USB2.0) 1 x PCIe x 4 (Default); 1 x PCI (in the accessory box)	
	Certifications	CE / FCC / UL / CCC	

Ordering Information

Part Number	Description
IFS-RTM-P415W3A	PPC-415/15"/i3/16G/128G/Win10/RTM preprocess 100 tags
IFS-RTM-P415W4A	PPC-415/15"/i5/16G/128G/Win10/RTM preprocess 500 tags
IFS-RTM-P415W5A	PPC-415/15"/i7/16G/128G/Win10/RTM preprocess 500 tags

Optional Accessories

Part Number	Description
1700001524	Power cable 3P UL 10A 125V, 180 cm
170203183C	Power cable 3P Europe (WS-010+083) 183 cm
1700008921	Power cable 3P/3P power supply 1.8M PSE
96CB-POWER-B-1.8MB	Power code 3P CCC(China) 1.8M
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-STAND-A1E	Stand for PPC series
PPC-ARM-A03	ARM VESA Standard for PPC series
PPC-WLAN-D2	M.2, WiFi6 +BT5.2, 2T2R, w/Antenna