Industrial Equipment Manufacturing

Edge Solution Ready Package

Predictive Edge Analyzer

Diagnosis and Preventive Maintenance Platform

Edge-SRP
Edge Solution Ready Package

ESRP-MPM-UNO3382

- Provides real-time diagnosis and detection of abnormal signals
- Enables analytics customization with an instinctive user interface
- Prevents data losses with a data logger system

EDGECROSS CONSORTIUM

ADVANTECH
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Edge Solution-Ready Package
ESRP-MPM-UNO3382

Provides real-time diagnosis and detection of abnormal signals

Create and modify analytical models using the graphics interface in order to simplify data analysis and achieve predictive maintenance.

Enables analytics customization with an instinctive user interface

Early diagnosis of machine faults minimizes system downtime, ensures quality control, and boosts the overall yield rate.

Prevents data losses with a data logger system

Diverse databases are supported without programming and can be easily integrated with existing IT systems.

Diagnosis and Preventive Maintenance Platform			
Part Number	ESRP-MPM-UNO3382	ESRP-MPM-UNO2484	ESRP-MPM-UNO2272
Operating System	Microsoft Windows10 IoT Enterprise LTSB	Microsoft Windows10 IoT Enterprise LTSB	Microsoft Windows10 IoT Enterprise LTSB
Software	• Mitsubishi Real-time Data Analyzer 14-day trial version • EDGECROSS Basic Software • Mitsubishi MTConnect Data Collector	• Mitsubishi Real-time Data Analyzer 14-day trial version • EDGECROSS Basic Software • Mitsubishi SLMP Data Collector • Mitsubishi OPC UA Data Collector	• EDGECROSS Basic Software • Mitsubishi SLMP Data Collector
Form Factor	Regular Size	Regular Size	Palm Size
CPU	Intel® Core™ i7-4650U	Intel® Core™ i5-7300U	Intel Celeron Quad Core J1900
Memory	8GB DDR3L	8 GB DDR4	2GB DDR3L
Display Type	1 x HDMI supports 1920 x 1200 @ 60Hz, 1 x DP supports 3200 x 2000 @ 60Hz	1 x HDMI supports 1920 x 1080 @ 60Hz, 1 x DP supports 3840 x 2160 @30Hz	1 x HDMI, supports 1920 x 1080 @ 60Hz
Storage	128 GB mSATA	128 GB mSATA	128 GB mSATA
LED Indicator	Power, Battery, COM (Tx/Rx) HDD and reserved x2	Power, HDD, LAN (Active, Status), RTC Battery	Power, HDD, LAN (Active,Status)
Expansion Slots	2 x Full-size mPCIe	1 x Full-size mPCIe	2 Full-size mPCIe
Mount Options	Book mounting	Stand, Wall, VESA (Optional), Din-rail (Optional)	Stand, Wall, VESA (Optional), Din-rail (Optional)
LAN	2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet	4 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet	1 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000Base-T Fast Ethernet
I/O	1 x RS-232/422/485, DB9 2 x USB 3.0, 2 x USB 2.0	4 x RS-232/422/485, DB9 4 x USB 3.0	1 x RS-232 (RS-422/485 by BIOS option), DB9 1 x USB 3.0, 2 x USB 2.0
Power Input	24 V_{DC} ± 20%	10 ~ 36 V_{DC}	24 V_{DC} ± 20%
Operating temperature	0 ~ 55°C(32 ~ 131°F)	-20 ~ 60 °C (-4 ~ 140 °F)	-10 ~ 55°C (14~131) @ 5 ~ 85% RH with 0.7 m/s airflow
Storage temperature	- 40 ~ 85°C (-40 ~ 185°F)	-40 ~ 85 °C (-40 ~ 185 °F)	-40 ~ 85°C (-40 ~ 185°F)
Dimension	65.2 x 254 x 207 mm (2.5" x 10" x 8.15")	200 x 140 x 40 mm (7.8" x 5.6" x 1.6")	157 x 88 x 50mm (6.2"x 3.5"x 2.0")
Certificate	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI	CE, FCC, UL, CCC, BSMI

Ordering Information

ESRP-MPM-UNO3382	Diagnosis and preventive maintenance platform, EDGECROSS, UNO-3382G-474AE, 8 GB RAM, 128 GB SSD, Windows 10 IoT Enterprise LTSB
ESEP-MPM-UNO2484	Diagnosis and preventive maintenance platform, EDGECROSS, UNO-2484G-7531AE, 8 GB RAM, 128 GB SSD, Windows 10 IoT Enterprise LTSB
ESRP-MPM-UNO2272	Diagnosis and preventive maintenance platform, EDGECROSS, UNO-2272G-J2AE, 2 GB RAM, 128 GB SSD, Windows 10 IoT Enterprise LTSB

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries.
Please contact Advantech for certificate compliance.

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