

April 2, 2019

Motherboard that Supports New 8th Generation Intel® Processors New RICOH FB21-L2S & RICOH FB21M-L2S

RICOH Industrial Solutions Inc. (President: Hiroshi Takemoto) will launch the RICOH FB21-L2S ATX motherboard and RICOH FB21M-L2S MicroATX motherboard for embedded devices that support the 8th generation processors released by Intel Corporation.

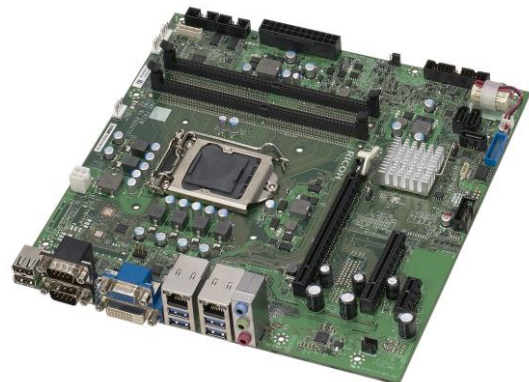
The two new models support the 8th generation Intel® Core™ processors embedded in the new Intel Corporation chipsets. The RICOH FB21-L2S with embedded Intel® C246 supports Workstation type Intel® Xeon® Series and provides higher performance and scalability than conventional products. We have also added error correction code (ECC) memory to enable better system reliability. The USB3.1 and PCI Express (GEN3) slots enable high-speed I/O devices to be connected, which can enable high-speed data processing.

RICOH's embedded computer (EPC) has the top market share in Japan in terms of numbers and value (FY2017*) and is highly appraised by the many customers who have introduced it to their factory automation machine tools. Our goal is to continue increasing customer satisfaction while developing a higher caliber of products.

**In-house investigation as of October 2018*



RICOH FB21-L2S



RICOH FB21M-L2S

RICOH FB21-L2S Main Features

1. Supports the new Intel® Xeon® processor

- Using Intel® C246 allows us to support Workstation type Intel® Xeon processors and Intel® Core™ i3, Pentium®, and Celeron®, allowing customers to choose the best processor for their system.

2. Supports error correction code (ECC) memory

- Supplied with a DIMM slot. Equipping a DIMM that supports ECC improves system reliability.
- Provision for a maximum memory capacity of 64GB.

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3. Equipped with an interface that enables high-speed data transfer

- Supplied with a USB3.1 interface to support high-speed external device connections.
- Supplied with a PCI Express (GEN3) slot to support high-speed I/O cards.

4. Optional high scalability

- Enables high-definition video representation thanks to 4k-compatible eDP.
- On-board storage is available for SATA-SSD through M.2.

RICOH FB21M-L2S Main Features

1. Supports the latest 8th generation Intel® Core™ Processor

- Using Intel® H310 allows us to support Desktop type 8th generation Intel® Core™ i7, Intel® Core™ i5, Intel® Core™ i3, Pentium®, and Celeron® processors, allowing customers to choose the best processor for their system.

2. Equipped with an interface that enables high-speed data transfer

- Supplied with a USB3.1 interface to support high-speed external device connections.
- Supplied with a PCI Express (GEN3) slot to support high-speed I/O cards.

3. Optional High-definition display

- Enables high-definition video representation thanks to 4k-compatible eDP.

Full service

- We provide generous support that includes long-term supply (five years from product launch) and a three year warranty period.
- We can supply the same specifications for extended periods, which can reduce the burden on customers for testing replacement products due to any model upgrades. We have clearly stated a five year supply period so that customers can smoothly select their next model.

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Ricoh is empowering digital workplaces using innovative technologies and services, enabling individuals to work smarter. For more than 80 years, Ricoh has been driving innovation and is a leading provider of document management solutions, IT services, commercial and industrial printing, digital cameras, and industrial systems.

Headquartered in Tokyo, Ricoh Group operates in approximately 200 countries and regions. In the financial year ended March 2018, Ricoh Group had worldwide sales of 2,063 billion yen.

For further information, please visit www.ricoh.com

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