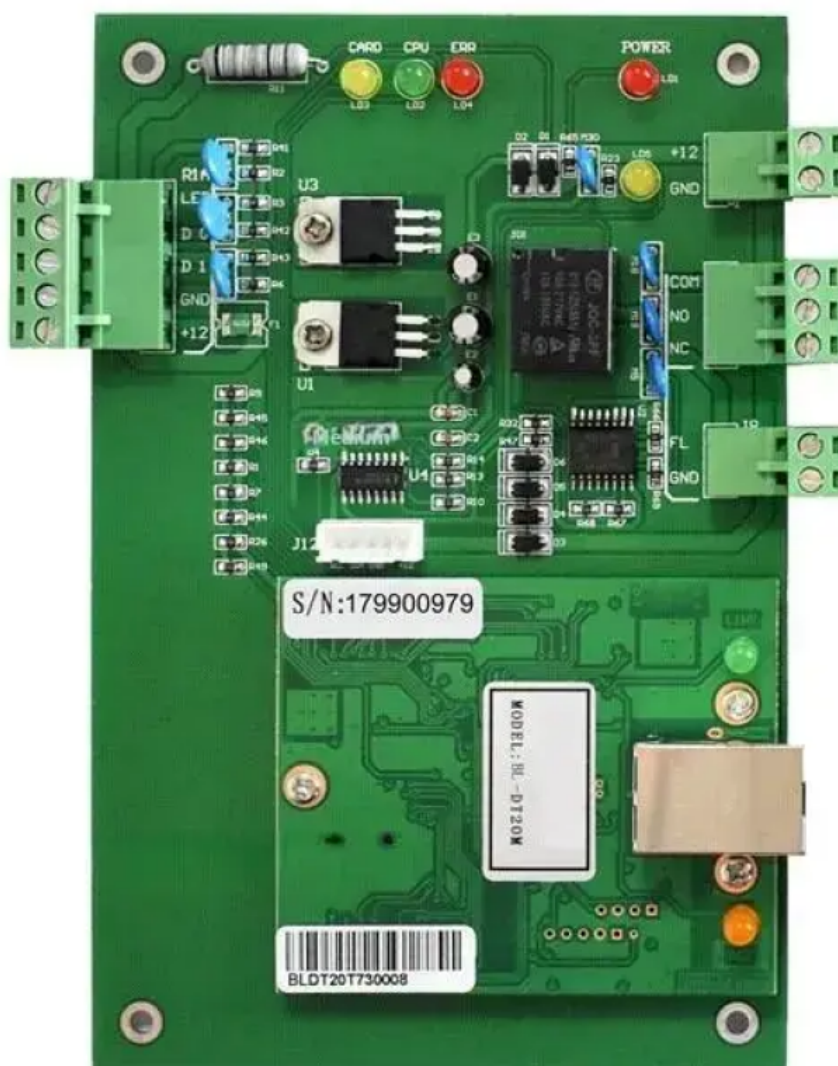


Manufacturing Indonesia 2025: FR4PCB.TECH Showcases One-Stop Motherboard Solutions for Asian Market Expansion

Dt20m-elevator motherboard



Shenzhen, Guangdong Dec 8, 2025 ([Issuewire.com](https://www.issuewire.com)) - At the upcoming Manufacturing Indonesia 2025 (MI 2025), scheduled from 3–6 December at the Jakarta International Expo Kemayoran in Jakarta, global electronics manufacturing specialist FR4PCB.TECH will present its comprehensive motherboard solutions. As a [China One-Stop Industrial Motherboard Manufacturer](#), FR4PCB.TECH is poised to support Asian OEM/ODM partners seeking integrated PCB and

motherboard services. With its full-service model, the Company positions itself as a [China Industrial Motherboard OEM/ODM Service Provider](#), delivering turnkey solutions from design to logistics and enabling customers to accelerate time-to-market and scale production across the region. At the show, visitors will view the latest industrial motherboards, embedded computing boards, and custom system-integration platforms tailored for sectors such as automation, telecoms, IoT, and edge computing.

The global printed circuit board (PCB) and motherboard manufacturing industry is undergoing rapid transformation, driven by the increasing complexity of electronic systems, the push toward Industry 4.0 automation, and the growing demand for customized, high-reliability boards in industrial and telecom applications. As manufacturers shift toward smart factories and interoperable devices, the need for high-quality OEM/ODM partners offering full lifecycle support—from concept design and DFM (Design for Manufacturability) analysis, through PCB fabrication, component sourcing, SMT assembly, through-hole assembly, testing, and final logistics—is more critical than ever. In the Asia-Pacific region, growth in automation and telecommunications infrastructure is fueling demand for advanced motherboards and embedded platforms capable of supporting high-speed connectivity, edge analytics, rugged environments, and long lifecycle deployments. Against this backdrop, companies like FR4PCB.TECH is increasingly valued for its ability to provide end-to-end solutions and deeper engineering support rather than simply supplying commodity boards.

At MI 2025, FR4PCB.TECH will leverage the exhibition's platform to engage with regional manufacturers, system integrators, and OEMs expanding into Indonesia and Southeast Asia. The show, described as the premier manufacturing expo in Southeast Asia, is expected to attract over 1,500 exhibitors and draw more than 38,000 industry professionals over its four-day run. Held alongside co-located events such as Machine Tool Indonesia, Tools & Hardware Indonesia, and Industrial Automation & Logistics Indonesia, the exhibition offers a one-stop platform to explore manufacturing innovations and build partnerships. At FR4PCB.AT TECH's booth, attendees will be able to discover the Company's latest motherboard platforms — for example, high-density industrial motherboards with multiple PCIe lanes, rugged edge computing boards with wide-temperature operation, and multi-function embedded modules for telecommunications and networking systems. The firm intends to hold live demos and engineering consultations on-site, offering prospective clients the chance to review BOM optimization, manufacturing flow, and logistical support strategies. The Indonesian market represents a strategic opportunity: as manufacturing in Southeast Asia shifts to support regional supply chains and electronics makers look to diversify, FR4PCB.TECH's participation underscores its commitment to Asian market expansion.

Behind its participation in MI 2025 lies FR4PCB.TECH's core competitive strengths and solution capabilities. As a leading provider of advanced PCB manufacturing and assembly services, FR4PCB.TECH specializes in OEM and ODM solutions that cover the entire product lifecycle. With years of expertise in the electronics industry, the company delivers high-quality, reliable PCB products tailored to meet the diverse needs of its global clients. Its services span concept design and DFM analysis, PCB fabrication, component sourcing, SMT assembly, through-hole assembly, testing, and final logistics. This integrated offering enables customers to streamline procurement, accelerate time-to-market, and reduce total cost of ownership.

One of the key advantages of FR4PCB.TECH is its engineering team, which works closely with clients to optimize BOMs (Bills of Materials), reduce costs through strategic component sourcing, and ensure seamless integration of PCBs into larger systems. This collaborative approach allows the firm to act not just as a board supplier but as a systems-enabler for original equipment manufacturers and system integrators. The company's product applications range across industrial motherboards and embedded platforms used in automation controllers, telecom base stations, IoT gateways, rugged computing

nodes, and edge-AI modules. For instance, FR4PCB.TECH has successfully partnered with a leading Asian telecom equipment OEM to deliver a rugged industrial motherboard supporting 5G connectivity and extended environmental tolerance, enabling deployment in remote network sites. In another example, an automation systems integrator selected FR4PCB.TECH to design and manufacture a multi-layer motherboard for a smart factory controller with high-speed interfaces and embedded safety features.

By combining design, manufacturing, assembly, and logistics into a unified solution, FR4PCB.TECH offers clients a single point of accountability, which is especially beneficial for companies seeking to expand in Asia and reduce supply-chain complexity. With its access to advanced fabrication capabilities, global procurement channels, and turnkey service model, FR4PCB.TECH positions itself as the partner of choice for brands, system integrators, and OEMs targeting the Asian industrial motherboard ecosystem.

As the electronics manufacturing landscape evolves and demands for high-performance industrial motherboards increase, FR4PCB.TECH is standing ready to support clients' growth ambitions — and its presence at MI 2025 provides the ideal opportunity for stakeholders to explore collaboration opportunities, review new product platforms, and discuss regional deployment strategies.

For more information about FR4PCB.TECH's services, solutions, and exhibition presence, please visit <https://www.fr4pcb.tech/>

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