

BUSINESS TO BUSINESS INTEGRATION SERVICES

Global Manufacturing and
Business Solutions for Optimal Efficiency



The Amkor eBusiness Team Works for You

Located globally at Amkor sales offices and factory sites, your eBusiness manager is a single point of contact dedicated to your B2B projects and programs, eliminating the need to engage with individual factory sites.



We listen to our customer needs

The Amkor eBusiness management team is experienced with customer integrated manufacturing and business processes, and we understand what customers want and need:

- ▶ Visibility to assembly and test manufacturing processes and material inventory levels
- ▶ Seamless supplier integration with planning, logistics, finance and other critical systems to promote efficiency and decision making
- ▶ Flexible high-quality solutions that can be rapidly deployed

We are experienced in customer integration

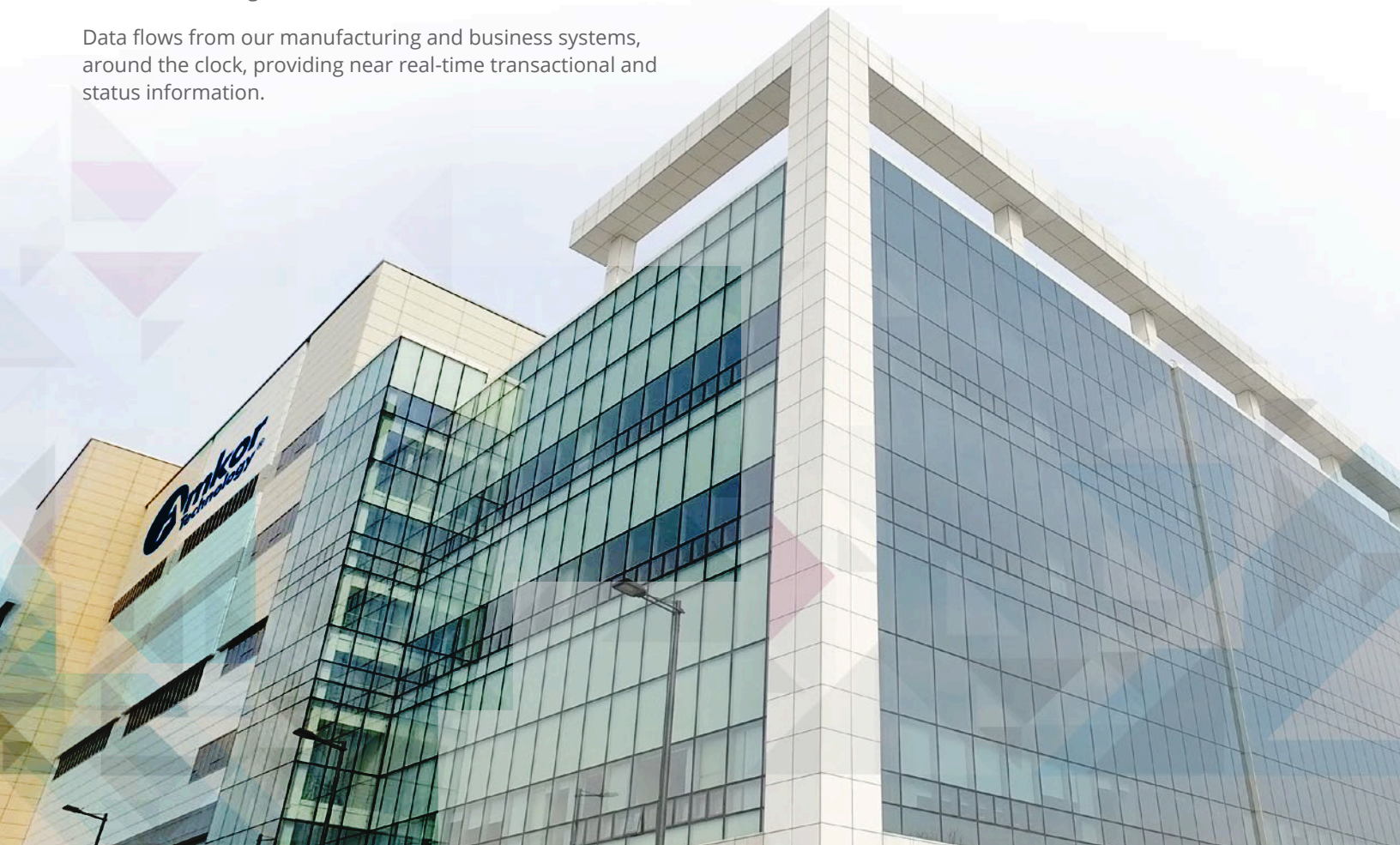
Amkor ensures a comprehensive understanding of your project requirements through a single point of contact. We have:

- ▶ More than 50 years of manufacturing experience, with hundreds of successful customer integrations
- ▶ A team of eBusiness managers dedicated to personally facilitate your business-to-business integration needs
- ▶ A global Center of B2B Excellence supporting a reliable, centralized system and a single source of truth

Business-to-Business (B2B) integration with Amkor

The strength and foundation of Amkor's B2B architecture is a common and standard model that spans across our global factories, and a centralized database containing normalized manufacturing and business information for customer exchange.

Data flows from our manufacturing and business systems, around the clock, providing near real-time transactional and status information.





Choose from a Variety of Integration Methods

Amkor chose the RosettaNet industry standard to provide a common e-Business language, aligning processes between trading partners with a global reach.

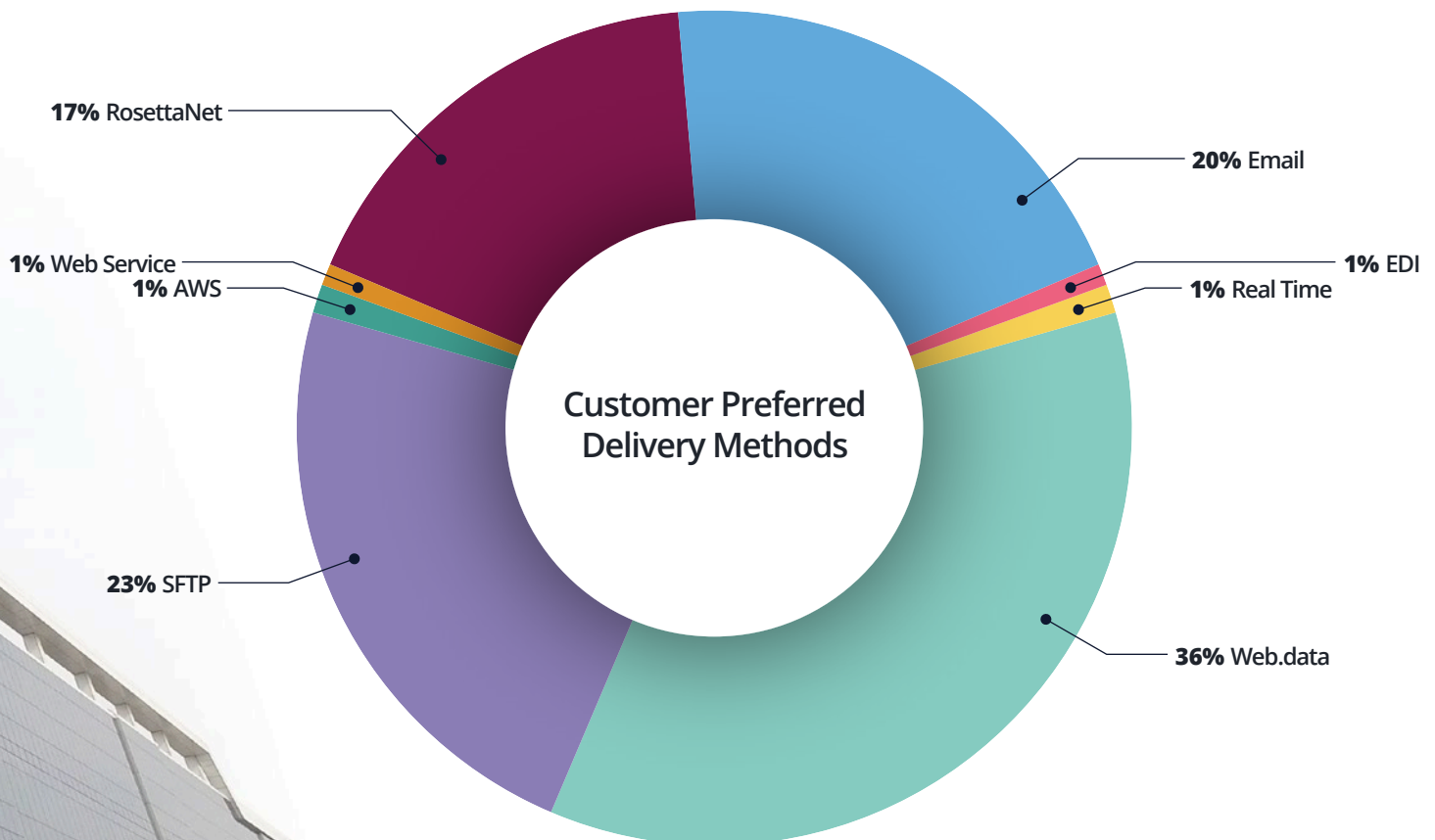
RosettaNet Partner Interface Processes (PIPs) and RNIF delivery protocol enable B2B transactions in a seamless, secure and near real-time manner. We developed a broad portfolio of PIPs to meet customer manufacturing and business integration needs. In addition, we support multiple message formats and delivery protocols.

Message Formats

RosettaNet PIPs, Delimited Flat Files, XML, EDI X12/EDIFACT, Excel and text based reports.

Delivery Protocols

RosettaNet RNIF, Secure File Transfer Protocol (SFTP), EDI (VAN and AS2), SOAP Web Services (HTTPS), MQ, JMS, AWS and Encryption.



Standard B2B Delivery Processes, Delivery Protocols and Message Formats

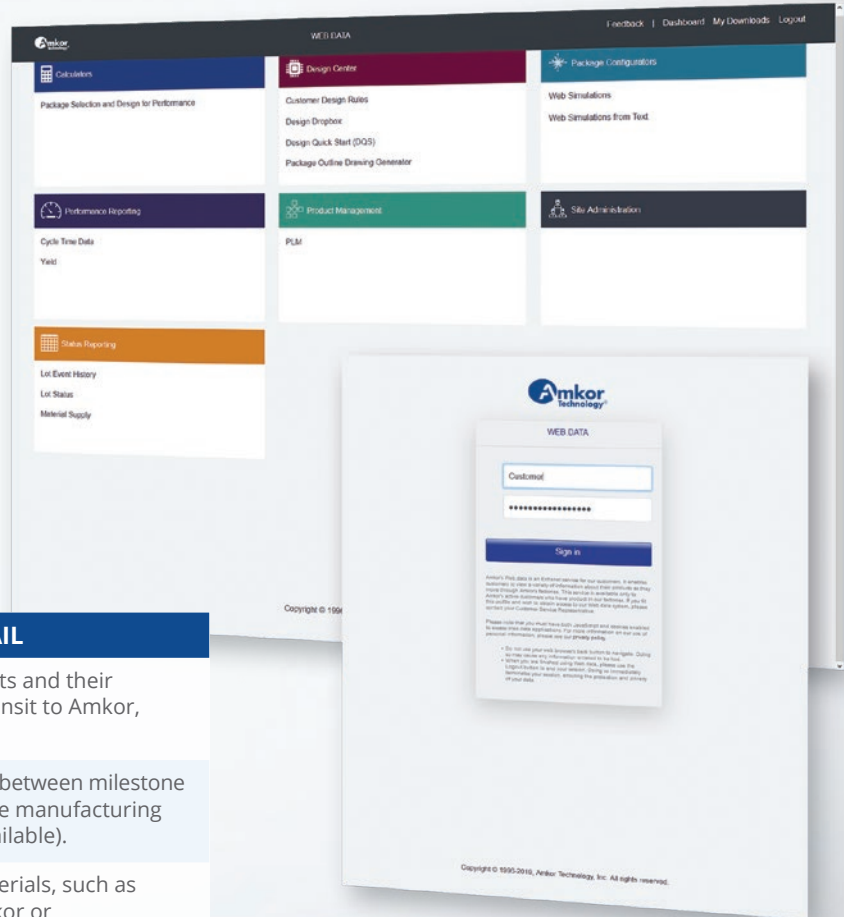
PROCESS	DESCRIPTION	DATA DELIVERY PROTOCOLS AND MESSAGE FORMATS
Purchase Order	Received from customer and distributed to factories for order fulfillment.	RN PIP® 3A4/3A7/3A8/3A9/3A19 SFTP • Flat File • XML EDI (VAN/AS2) • EDI 850/855/870
Inbound Advanced Ship Notification (IASN)	Received from customer to notify Amkor of goods in-transit for auto receiving and pre-scheduling.	RN PIP® 3B2 SFTP • Flat File • XML EDI (VAN/AS2) • EDI 856
Shipment Receipt	Sent to customer upon physical receipt of goods at Amkor.	RN PIP® 4B2 SFTP • Flat File • XML
Material Status (Snap) and Events (Transactions)	Snapshot sent to customer for on-hand/on-order raw materials, such as lead frames and substrates, that are Amkor or Customer owned. Transactions sent to customer for material movements in Amkor factories.	SFTP • Flat File • XML Web.data Material Supply
Build Request (Work Order)	Received from customer and distributed to factories, to execute build instructions.	RN PIP® 7B5 SFTP • Flat File • XML
Lot Status (Snap) and Events (Transactions)	Snapshot sent to customer, showing all lots and their current location and quantity, from in-transit to Amkor through shipment to customer. Transactions sent to customer for lot movements in Amkor factories.	RN PIP® 7B1 SFTP • Flat File • XML Web.data Lot Status and Lot Event History
Lot Info Change	Sent to Amkor to update customer lot attributes.	SFTP • Flat File • XML
Assembly Yield Data	Sent to customer at the end of assembly, to identify yield loss and defect reasons.	RN PIP® 7C7 SFTP • Flat File • XML Web.data Yield
Tester Data	Test parametric data collected from Testers and sent to customer.	RN PIP® 7C8 SFTP • XML
Cycle Time Data	Lot cycle time performance data sent to customer, based Amkor standard definitions.	SFTP • Flat File Web.data Cycle Time
Drop-Shipment Request	Received from customer to request goods to ship from Amkor dropship to the end customer.	RN PIP® 3B12/3B13/3B14/3B19 SFTP • Flat File • XML
Outbound Advanced Ship Notification (OASN)	Sent to customer to notify of goods shipping out of Amkor.	RN PIP® 3B2 SFTP • Flat File • XML EDI (VAN/AS2) • EDI 856
Billing Invoice	Sent to customer for services rendered.	RN PIP® 3C3/3C4 SFTP • Flat File • XML EDI (VAN/AS2) • EDI 810
Early Receipt Settlement (ERS or Self Bill)	ERS self-bill invoice or remittance sent to Amkor to reconcile automated payment to the Amkor invoice.	RN PIP® 3C6/3C7 SFTP • Flat File • XML

Web.Data: Amkor's Self-Service Customer Portal

Amkor provides easy access to customer manufacturing information through Web.data, a secure web-based application suite. Access at: webdata.amkor.com

Through Web.data, customer data for all manufacturing sites can be accessed around the clock for near real-time reporting.

Amkor customers can create customized reports, controlling data fields, sorting and filtering, which can be viewed on-line or downloaded to Excel. Automated reports can be scheduled for daily, weekly or monthly delivery to an individual's email.



APPLICATION	INFORMATION DETAIL
Lot Status	Near real-time visibility to all customer lots and their current location and quantity, from in-transit to Amkor, through shipment to customer.
Lot Event History	Near real-time visibility to lot movements between milestone operations/locations, as they occur on the manufacturing line (up to 2 years of historical data is available).
Material Supply	Visibility to on-hand or on-order raw materials, such as lead frames and substrates, that are Amkor or Customer owned.
Assembly Yield	Visibility to assembly yield losses, collected at QA gates, with reason codes.
Cycle Time Data	Visibility to lot cycle time performance based on Amkor standard definitions.

Standard Factory Specific Reports

Standard factory reports are available upon customer request. These reports are specific to individual factory sites, and are complementary to the standard data available from Web.data or Amkor Standard Solutions.

- ▶ Commercial Invoice
- ▶ Packing List
- ▶ Lot Traveler Card
- ▶ Ship Alert

Contact Us

The Amkor global IT Service Desk provides monitoring of customer B2B services 24 hours a day, 7 days a week. Contact us at itservicedesk@amkor.com, or call +1-888-265-6716 extension 5555.



Amkor is Committed to Your Success

At Amkor, we understand the importance of providing accurate, timely information and services.

Supported by a global offshore development and support center and governed by a B2B Center of Excellence, Amkor provides "follow-the-sun" production support and development.

Visit the Amkor Technology Customer Center at: www.amkor.com or contact your Customer Service Representative for more information and access to our full suite of eBusiness tools.



CORPORATE HEADQUARTERS

Amkor Technology, Inc.
2045 East Innovation Circle
Tempe, AZ 85284 USA
Tel: 480-821-5000
Fax: 480-821-8276

US SALES

Amkor Technology, Inc.
25 Metro Drive
Suite 700
San Jose, CA 95110
Tel: 408-496-0303
Fax: 408-496-0392

EUROPEAN SALES

Amkor Technology Euroservices s.a.s.
Archamps Technopole
60 Avenue Marie Curie
74160 Archamps France
Tel: 33-4-50-31-88-00
Fax: 33-4-50-31-88-01

GERMANY SALES

Amkor Technology Holding B.V., Germany
Werner-Eckert-Straße 8
81829 Munich Germany
Tel: 49 089-1241498-40
Fax: 49 089-1241498-49

CHINA SALES OFFICE (BEIJING)

Amkor Technology China
Raycom Infotech Park, Tower C
No.2, Kexueyuan South Road
Unit S1109, Floor 11
Beijing, 100190 China
Tel: 8621-5064-4590
ext. 2340, 4034, 4221, 4245
Fax: 8621-5048-2522

CHINA SALES OFFICE (SHANGHAI)

Amkor Technology China
Zhangjiang Hi Tech Park
2889 Jinke Road, Room #504
Bldg. E, Chamtime Square
Pudong, Shanghai 201203 China
Tel: 8621-5064-4590,
ext. 2340, 4034, 4221, 4245
Fax: 8621-5048-2522

CHINA SALES OFFICE (SHENZHEN)

Amkor Technology China
Taiping Finance Tower
No. 6001 Yitian Road
Unit 1402, Level 14, Futian District
Shenzhen 518048 China
Tel: 86-755-3290-0418
Fax: 86-755-3290-0400

JAPAN SALES OFFICE (TOKYO)

Shibakoen Front Tower 14F
2-6-3, Shibakoen, Minato-Ku
Tokyo 105-0011 Japan
Tel: 81-3-5425-2830
Fax: 81-3-5425-2831

JAPAN SALES OFFICE (YOKKAICHI)

Yokkaichi MN Bldg 3F
1-1 Suwasakae-machi
Yokkaichi-shi, Mie 510-0086 Japan
Tel: 81-59-340-3751
Fax: 81-59-340-3752

JAPAN SALES OFFICE (YOKOHAMA)

New Stage Yokohama Bldg.
17F, 1-1-32 Shinurashima-cho
Kanagawa-ku, Yokohama-shi
Kanagawa 221-0031 Japan
Tel: 81-45-594-6400
Fax: 81-45-594-6419

KOREA SALES OFFICE

Amkor Technology Korea
4F C&S Building
6-15, Kwangpyeong-ro 51gil, Gangnam-gu
Seoul 06349 Korea
Tel: 82-2-3412-4157

SE ASIA SALES OFFICE

Amkor Technology Singapore Holding Pte. Ltd.
491B River Valley Road, #12-03
Valley Point Office Tower
Singapore 248373
Tel: 65-6211-3333
Fax: 65-6211-3388

TAIWAN SALES OFFICE

Amkor Technology Taiwan Ltd.
3F-1, No.1, Tai Yuen 2nd Street
Zhubei City, Hsinchu County 302
Taiwan (R.O.C.)
Tel: 886-3-598-2000
Fax: 886-3-560-1269

Visit amkor.com or email sales@amkor.com
for more information.