

Complete, Efficient Data Acquisition Leads the
Way to the Factory of the Future

Edge IoT Smart Manufacturing Solution

Edge Computing Platforms Enabling
Data to Decision



Product Highlights



MCM-100

Machine Condition Monitoring Edge Platform

- Equipped with Intel® Atom™ x7-E3950 processors (Quad core)
- Built-in 4CH, 24-bit simultaneous sampling analog inputs, up to 128kS/s
- Supports IEPE 2mA excitation current output on each analog input to drive accelerator

Coming Soon



MCM-110

DAQ Edge Platform

- Equipped with Intel® Atom™ x7-E3950 processors (Quad core)
- Built-in 4CH, 16-bit simultaneous sampling analog inputs, up to 2MS/s
- 500VDC Isolation & 256M samples FIFO

Coming Soon



MCM-120/130

DAQ Edge Platform

- Equipped with Intel® Atom™ x7-E3950 processors (Quad core)
- 16-CH 16-bit 250 kS/s voltage input (MCM-120); 8-CH 250 kS/s current input (MCM-130)
- 2-CH 1 MS/s voltage output

Coming Soon



MCM-140

DAQ Edge Platform

- For high voltage/ current/ thermocouple/ RTD/ strain gauge/ load cell measurement
- Equipped with Intel® Atom™ x7-E3950 processors (Quad core)
- Built-in 4CH, 24-bit simultaneous sampling analog inputs, up to 2kS/s



NEON-1020/1021C

Value Series Smart Camera

- Intel® Atom™ Quad-Core Processor E3845 1.91GHz
- 2MP 60 fps resolutions, monochrome/color global shutter CMOS sensors
- Multi-ROI function replaces multi-camera barcode reader solution



DEX-100

Edge IoT PC-based Data Extraction Solution

- Unifies legacy equipment protocols to a standard and scalable interface via VGA/DVI output
- Non-intrusive feature, improving operation stability and increasing production capacity

Coming Soon



DEX-200

Edge IoT PLC-based Data Extraction Solution

- Supports PLC connection for Brownfield development
- Configuration utility simplifies operation with no extra programming requirement
- Real-time Information extraction and processing

Coming Soon



DEX Modbus I/O Module

8/16-CH Digital I/O & 4/8-CH Analog I/O Modules

- Interface: RS-485
- Protocol: ASCII command & Modbus RTU
- Communication speed: Serial: from 1200 to 115.2K
- Data flow control, Watch dog timer, and Isolation protection



NEON-1020/1040

x86 Quad-Core Smart Camera

- Intel® Atom™ Quad-Core Processor E3845 1.91GHz
- 2/4MP, 120fps/60fps, monochrome global shutter CMOS sensor
- IP67-rated housing and M12 connectors thoroughly protect against dust & moisture



NEON-1021-M

Ready-to-Go Smart Camera

- MERLIC inside from MVTec
- Image centered user interface
- Machine vision application with no need for programming Integrated tool library



Vortex Edge

End-to-end Edge IoT Solution

- Easy and flexible integration
- Secure data availability
- Open and vendor neutral architecture
- Scalable, high performance, fault tolerant connectivity



Vortex DDS

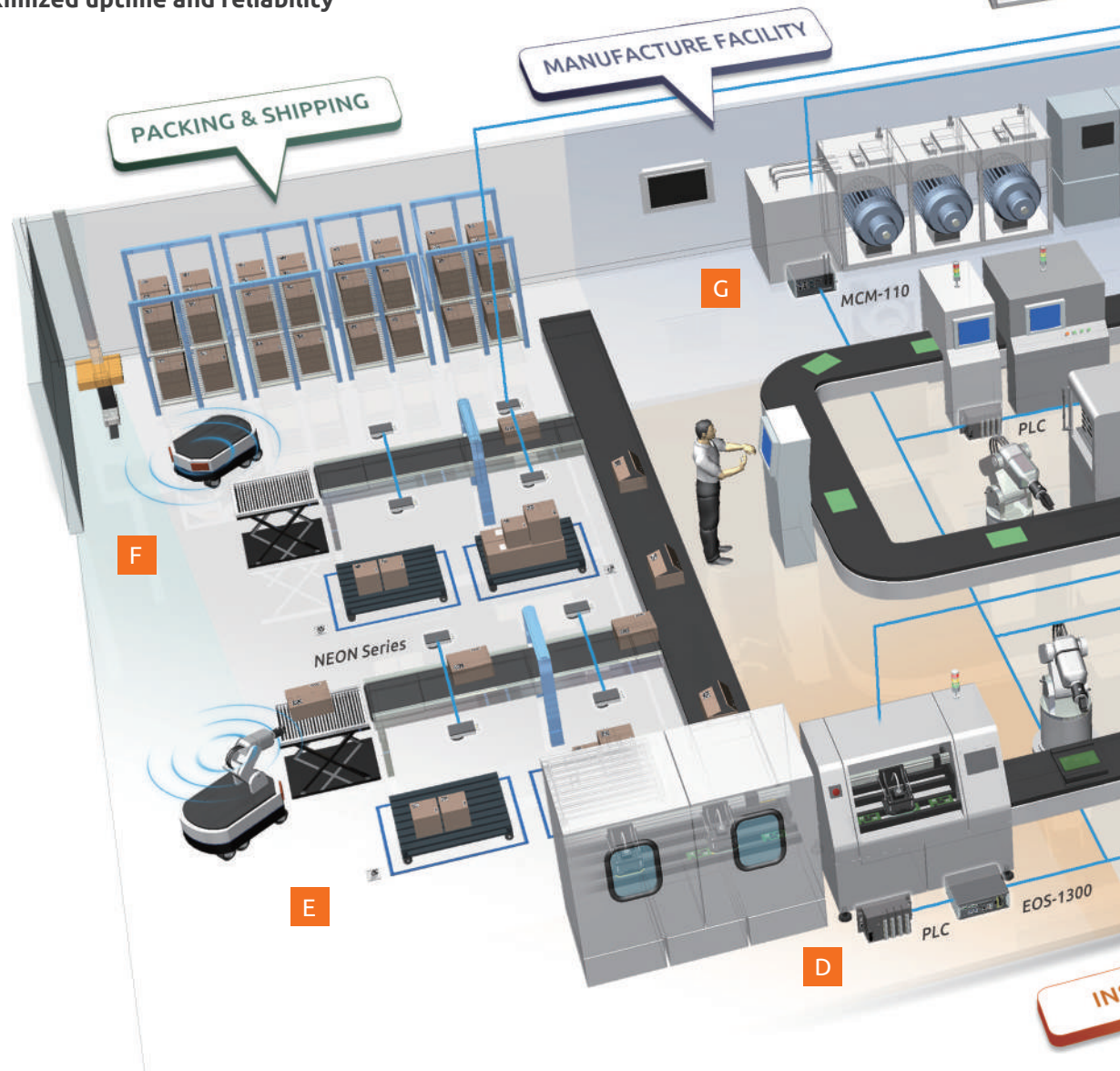
Intelligent Data Sharing Platform

- Consistent data model simplifies IoT system architecture
- Broad ecosystem streamlines device-application transactions
- Dynamic auto-discovery of data sources and recipients

Edge IoT Smart Manufacturing Solution

Global edge computing provider ADLINK provides complete solutions for acquisition and analysis of data and device management, making the vision of Industry 4.0 Smart Manufacturing a reality. ADLINK's powerful Vortex Data River architecture provides smooth two-way data flow for sharing and communication that enables machine-to-machine (M2M) automation, remote asset management and maintenance, and workflow monitoring, significantly increasing efficiency and lowering costs.

- Actionable real-time data visualization
- Optimized process and product quality
- Maximized uptime and reliability



Production Efficiency Optimization

- Production information monitoring
- Availability/uptime management

Maximized Processing Efficiency

- Built-in predictive maintenance
- Real-time equipment adjustment

Intelligent AOI

- Improves inspection accuracy and quality control
- Deep learning and AI applications

B

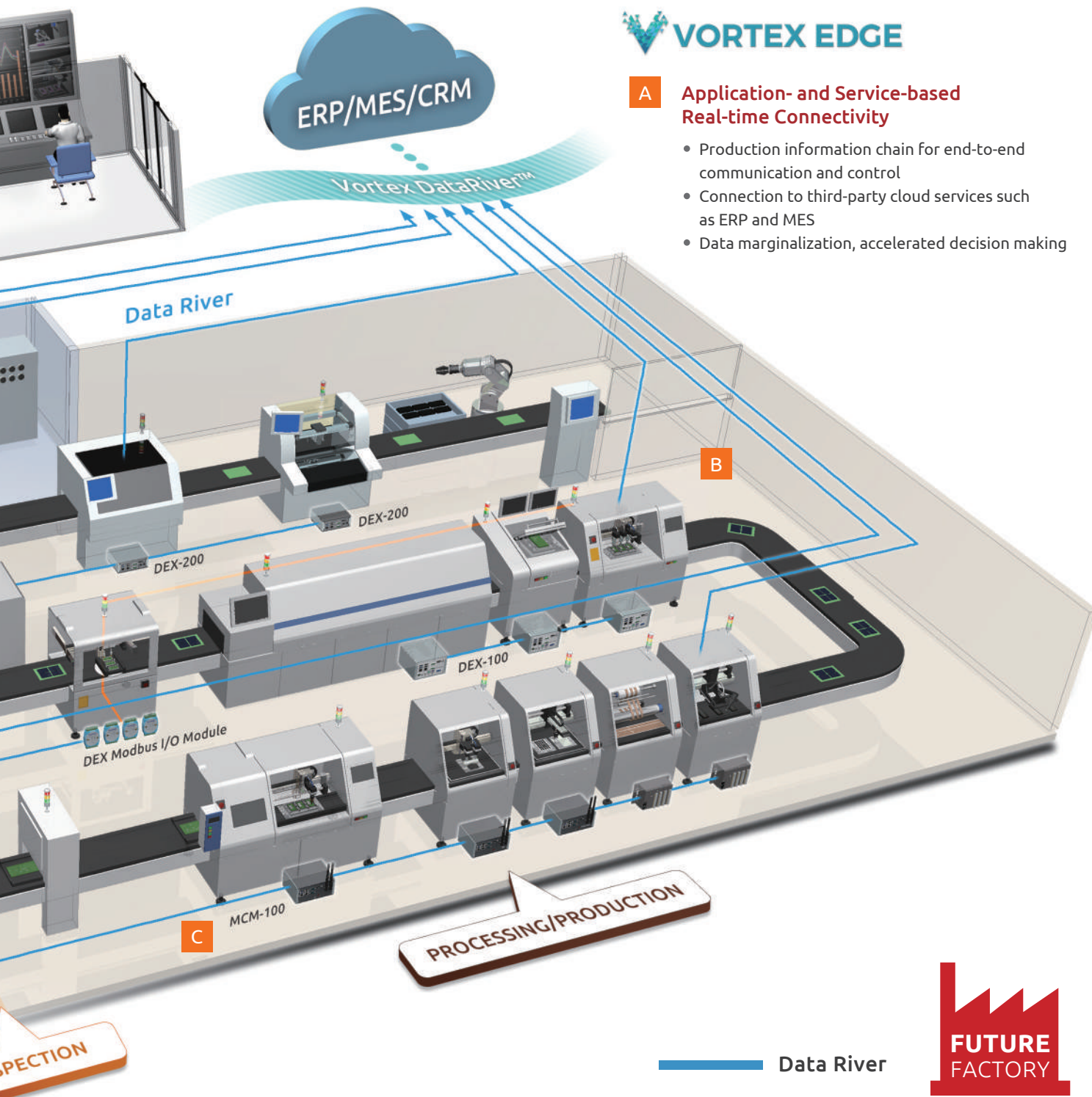


C



D





Intelligent Logistics Management

- Automates and manages logistics status with real time communication between pallets
- Reduced human error-based losses and increased shipment throughput

Collaborative Robot Systems

- Simple development & flexible deployment
- End-to-end communicability

Condition Monitoring & Predictive Maintenance

- Instant monitoring and alarm
- Equipment life cycle warning

E



F

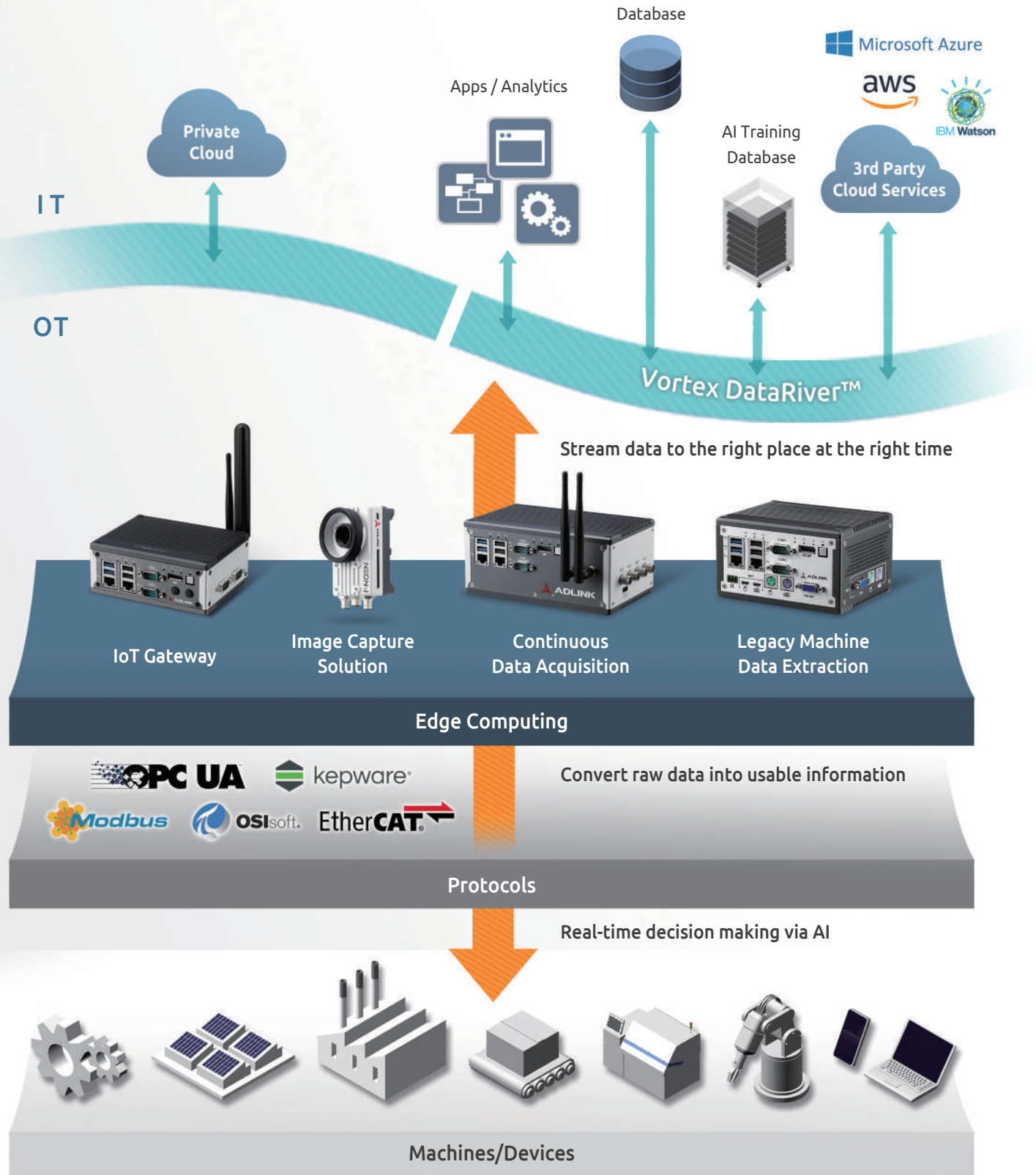


G



Edge Computing Smart Manufacturing Platform Empowers the Factory of the Future

ADLINK provides a full range of industrial control, machine vision, and data acquisition solutions, connecting existing machines and equipment to the network and efficiently acquiring key information for intelligent decision-making, completing critical smart manufacturing requirements.



WORLDWIDE OFFICES

ADLINK Technology, Inc.

9F, No.166 Jian Yi Road, Zhonghe District
New Taipei City 235, Taiwan
新北市中和區建一路166號9樓
Tel: +886-2-8226-5877
Fax: +886-2-8226-5717
Email: service@adlinktech.com

Amprom ADLINK Technology, Inc.

5215 Hellyer Avenue, #110 San Jose, CA 95138, USA
Tel: +1-408-360-0200
Toll Free: +1-800-966-5200 (USA only)
Fax: +1-408-360-0222
Email: info@adlinktech.com

ADLINK Technology Singapore Pte. Ltd.

84 Genting Lane #07-02A, Axxel Innovation Centre,
Singapore 349584
Tel: +65-6844-2261
Fax: +65-6844-2263
Email: singapore@adlinktech.com

ADLINK Technology Singapore Pte Ltd. (Indian Liaison Office)

#50-56, First Floor, Spearhead Towers
Margosa Main Road (between 16th/17th Cross)
Malleswaram, Bangalore - 560 055, India
Tel: +91-80-65605817, +91-80-42246107
Fax: +91-80-23464606
Email: india@adlinktech.com

ADLINK Technology Japan Corporation

〒101-0045 東京都千代田区神田鍛冶町3-7-4
ユニゾ神田鍛冶町三丁目ビル4F
Unizo Kanda Kaji-cho 3 Chome Bldg. 4F,
3-7-4 Kanda Kajicho, Chiyoda-ku, Tokyo 101-0045, Japan
Tel: +81-3-4455-3722
Fax: +81-3-5209-6013
Email: japan@adlinktech.com

ADLINK Technology, Inc. (Korean Liaison Office)

경기도 용인시 수지구 신수로 767 A동 1008호
(동천동, 분당수지유타워) (우) 16827
A-1008, U-TOWER, 767 Sinsu-ro, Suji-gu,
Yongin-si, Gyeonggi-do, Republic of Korea, 16827
Toll Free: +82-80-800-0585
Tel: +82-31-786-0585
Fax: +82-31-786-0583
Email: korea@adlinktech.com

ADLINK Technology, Inc. (Israel Liaison Office)

SPACES OXYGEN, 62 Medinat, Ha-yehudim st
4673300, Herzliya, Israel, P.O.Box - 12960
Tel: +972-54-632-5251
Fax: +972-77-208-0230
Email: israel@adlinktech.com

ADLINK Technology (China) Co., Ltd.

上海市浦东新区张江高科技园区芳春路300号 (201203)
300 Fang Chun Rd., Zhangjiang Hi-Tech Park
Pudong New Area, Shanghai, 201203 China
Tel: +86-21-5132-8988
Fax: +86-21-5192-3588
Email: market@adlinktech.com

ADLINK Technology Beijing

北京市海淀区上地东路1号盈创动力大厦E座801室 (100085)
Rm. 801, Power Creative E, No. 1 Shang Di East Rd.
Beijing, 100085 China
Tel: +86-10-5885-8666
Fax: +86-10-5885-8626
Email: market@adlinktech.com

ADLINK Technology Shenzhen

深圳市南山区科技园南区高新南七道数字技术园
A1栋2楼C区 (518057)
2F, C Block, Bldg. A1, Cyber-Tech Zone, Gao Xin Ave. Sec. 7
High-Tech Industrial Park S., Shenzhen, 518054 China
Tel: +86-755-2643-4858
Fax: +86-755-2664-6353
Email: market@adlinktech.com

ADLINK Technology GmbH

Hans-Thoma-Straße 11
D-68163 Mannheim, Germany
Tel: +49 621 43214-0
Fax: +49 621 43214-30
Email: germany@adlinktech.com

Ulrichsbergerstraße 17
D-94469 Deggendorf, Germany
Tel: +49 991 290 94-10
Fax: +49 991 290 94-29
Email: germany@adlinktech.com

ADLINK Technology, Inc. (French Liaison Office)

6 allée de Londres, Immeuble Ceylan 91940
Les Ulis, France
Tel: +33 (0) 1 60 12 35 66
Fax: +33 (0) 1 60 12 35 66
Email: france@adlinktech.com

ADLINK Technology, Inc. (UK Liaison Office)

First Floor West Exeter House,
Chichester fields Business Park Tangmere,
West Sussex, PO20 2FU, United Kingdom
Tel: +44-1243-859677
Email: uk@adlinktech.com



All products and company names listed are trademarks or trade names of their respective companies.
All specifications are subject to change without further notice.