



国际星闪无线短距通信联盟
International SparkLink Alliance

SPARKLINK ECOSYSTEM CULTIVATING THE THRIVING FUTURE

INTERNATIONAL SPARKLINK ALLIANCE SUMMIT 2025

星闪生态 繁花似锦 | 2025国际星闪联盟产业峰会

会议手册 CONFERENCE MANUAL

主办：国际星闪无线短距通信联盟
Sponsor: International SparkLink Alliance

中国·深圳
Shenzhen, China

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SPARKLINK ECOSYSTEM CULTIVATING THE THRIVING FUTURE

INTERNATIONAL SPARKLINK ALLIANCE SUMMIT 2025

星闪生态 繁花似锦' 2025国际星闪联盟产业峰会



地点·深圳市民中心
LOCATION·SHENZHEN CIVIC CENTER



产业峰会时间
Industry summit

2025
3月27日
March 27

主题论坛时间
Forum

2025
3月28日
March 28

创新展时间
Innovation exhibition

2025
3月25日-3月29日
March 25 to March 29



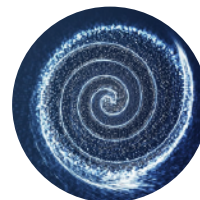
国际星闪无线短距通信联盟
International SparkLink Alliance

国际星闪无线短距通信联盟(简称“国际星闪联盟”)是致力于全球化的产业联盟,目标是推动新一代无线短距通信技术的创新和产业生态,承载智能汽车、智能家居、智能终端和智能制造等快速发展的新场景应用,满足极致性能需求。2023年5月,国际星闪联盟取得民政部颁发的社会团体法人登记证书,正式成为国际性产业与标准组织。截至目前,国际星闪联盟国内外单位成员已超过1200家。

THE INTERNATIONAL SPARKLINK ALLIANCE (ISLA) IS AN INDUSTRY ALLIANCE COMMITTED TO GLOBALIZATION. WITH THE GOAL OF PROMOTING INNOVATION AND INDUSTRIAL ECOSYSTEM DEVELOPMENT OF NEW WIRELESS SHORT-RANGE COMMUNICATION TECHNOLOGIES, ISLA SUPPORTS FAST-GROWING NEW SCENARIO APPLICATIONS SUCH AS SMART CARS, SMART HOMES, SMART TERMINALS, AND SMART MANUFACTURING, AND MEETS THE STRINGENT PERFORMANCE REQUIREMENTS. IN MAY 2023, ISLA OBTAINED THE REGISTRATION CERTIFICATE OF SOCIAL ORGANIZATION LEGAL PERSON ISSUED BY THE MINISTRY OF CIVIL AFFAIRS, AND OFFICIALLY BECAME AN INTERNATIONAL INDUSTRY AND STANDARDS ORGANIZATION. UP TO NOW, THERE ARE MORE THAN 1200 ISLA MEMBERS IN AND OUTSIDE CHINA.

国际星闪联盟 WORKING SCOPE

INTERNATIONAL SPARKLINK ALLIANCE WORKING SCOPE



星闪大赛
Competition



标准规定
Standards



测试认证
Testing



发展策略
Strategies



生态构建
Ecosystem



应用示范
Demonstration



对外合作
Collaboration



技术交流
Technical Communication

峰会地点：深圳市福田区福中三路2010号
市民中心B区·1F 多功能厅

3月27日
上午

领导致辞

星闪技术路线和标准2.0发布

联盟总结与展望：勠力同心 共建星闪生态繁荣

星闪联盟OpenLab授牌

星闪互联互通专项成果发布

星闪沃土进展与计划

星闪开发者伙伴发布

智能短距通信未来趋势

星闪广电行业标准进展

星闪数字车钥匙进展与计划

星闪商用产品路标发布

联盟年度突出贡献单位表彰、星闪明星产品表彰、联盟捐赠致谢

MOU签署

3月27日
下午

主旨演讲：把握进一步全面深化科技领域改革新形势新机遇

产业前瞻1：低空产业发展研究和低空产业联盟探索实践

产业前瞻2：智能轨道交通物联网：星闪的机会与挑战

产业前瞻3：5G+星闪融合无线工控网赋能新型工业化

产业前瞻4：新一代工业智能安全无线专频专网

产业前瞻5：星闪安全生产与灾害防治运用及产业化展望

星闪赋能，多域绽放，共绘产业新篇

领导致辞

星闪技术赋能，共创移动爱家繁荣生态

重塑通信感知新边界，打造AI智能体新纪元

星闪持续创新联接根技术，提升智能化音频芯体验

星闪定义新一代智能家居新范式

从“智控”到“沉浸感”：星闪技术如何重塑《黑神话：悟空》的手柄交互体验

智慧安全办公，“星”一代技术PC及外设设备

星闪互联互通测试体系：互通保障与用户体验的生态基石

Panel：星闪赋能，从技术突破到商用爆发

3月28日
上午

星闪赋能行业数智化

领导致辞

星闪技术赋能智能设备运维

星闪在工业生产的创新应用探索

激联万物--MASER短距无源无线

基于星闪的无线自动化系统

面向智能制造的机器人短距通信

高并发·低时延：星闪技术可驱动智慧仓储与工业传感变革

润和软件在星闪工业领域的应用分享

解锁星闪数字钥匙的魔力

总结

3月28日
下午

SUMMIT AGENDA

Summit Location: 2010 Fuzhong 3rd Road, Futian District, Shenzhen
Shenzhen Civic Center area B · 1F Multi-Function Hall

March
27th
AM

Opening address

Release of NearLink Roadmap and 2.0 Standards

Summary and Prospect of iSLA : Build SparkLink Ecosystem Prosperity together

Ceremony of iSLA OpenLab Plaque Presentation

Achievement Release of SparkLink Connectivity Special Project

Progress and Plan of NearLink Fertile Land

Release of SparkLink Developer Partners Program

Future Trend of Intelligent Short-Range Communications

Progress of NearLink in Radio and Television Industry Standard

Progress and Plan of NearLink Digital Car Key

Release of NearLink Commercial Product Roadmap

Award of Annual Outstanding Contribution Units of the iSLA,
Award of NearLink Outstanding Products,
Donation Acknowledgement

Ceremony of Cooperation Memorandum Signing

March
27th
PM

Keynote Speech:

Grasping the New Situation and New Opportunities for Further
Deepening the Reform of Science and Technology in an All-round Way

Industry Prospect 1:

Research on Low-altitude Industry Development and Exploration Practice of Low-altitude
Industry Alliance

Industry Prospect 2:

Intelligent Rail Transit Internet of Things: Opportunities and Challenges of NearLink

Industry Prospect 3:

5G+NearLink Convergence Wireless Industrial Control Network Enables New
Industrialization

Industry Prospect 4:

New-Generation of Industrial Intelligent and Secure Wireless Dedicated Network

Industry Prospect 5:

NearLink Safe Production, Disaster Prevention and Control and Industrialization Prospect

FORUM AGENDA

NearLink: Enabling, Blooming, and Composing New Chapter of the Industry

Opening address

NearLink Enables to Create a Mobile Home Prosperity Ecosystem
Reshaping the New Boundary of Sensing and Communication and

Building a New Era of AI Agents
NearLink Continues to Innovate the Connection Root Technology to

Improve the Intelligent Audio Core Experience
NearLink Defines a New Paradigm of Smart Home

From "Intelligent Control" to "Immersion": How NearLink Reshapes
the Handheld Interactive Experience of Black Myth: Wukong

Smart and Secure Office, "NearLink" Next-generation Technology
PCs and Peripheral Devices

NearLink Connectivity Test System: The Ecosystem Foundation of
Interoperability Assurance and User Experience

Panel: NearLink Enablement, From Technology Breakthrough to
Commercial Explosion

March
28th
AM

NearLink Enables Industry Digital Intelligence

Opening address

NearLink Enables Smart Device Operation and Maintenance

Exploration of the Innovative Application of NearLink in Industrial Production

Connecting Everything with MASER: Short-Range Passive Wireless Technology

Wireless Automation Systems Based on NearLink

Robotic Short-Range Communication for Intelligent Manufacturing

High Concurrency and Low Latency: How NearLink Drive Innovation
in Smart Warehousing and Industrial Sensing

Application Insights of Hoperun Software in Industry with NearLink

Unlocking the Magic of NearLink Digital Keys

Summary

March
28th
PM



魏然

国际星闪联盟副理事长
中国信息通信研究院总工程师



邬贺铨

中国工程院院士



肖尤丹

中国科学院科技战略咨询研究院
研究员
科技发展战略所所长



田野

工业和信息化部装备工业发展中心
装备研究三处副处长
低空产业联盟常务副秘书长



曾国松

国际星闪联盟秘书长



支浩

上海海思COO&战略与业务发展部
部长



孟祥

工信部电磁空间安全技术研究
联合实验室联席主任
国家频谱资源委员会委员
中国科学院信息工程研究所研究员



叶文邦

国际星闪联盟专家委委员
贵州省应急厅原副厅长(一级巡视员)
应急部应急研究中心专家



王孝

国际星闪联盟产业推广部主任



Luis Jorge ROMERO

共熵产业与标准创新服务中心
首席战略官



方旭明

西南交通大学教授
成都铁路局技术委员会信息
专家组组长



肖善鹏

中国移动通信研究院物联网技术与
应用研究所所长



常江

国家广播电视总局广播电视规划院
无线研究所副所长 正高级工程师



赵猛

中汽研汽车检验中心(天津)有限公司
数字钥匙测试业务负责人



位恒曦

中国移动智慧家庭运营中心
家庭智能连接部副总经理



王同波

华为短距技术专家



谢子晨
海思短距物联首席技术专家



黄鑫
美的集团COLMO高端品牌
公司品牌与零售运营总监



王宏
哈尔滨工业大学(深圳) 副教授



王聪聪
中科院计算所特别研究助理



王永茂
飞智科技研发总监



沈国良
武汉攀升科技CEO&CTO



安旭
云里物里高级市场经理



石磊
润和软件副总经理



王智玮
中国信通院泰尔终端实验室
物联技术部副主任
IEEE PES中国区技术委员会常务理事



李献文
沈阳科网通信息技术总经理



陈威
远峰数字钥匙产品总监



丁靖
艾灵网络终端开发部部长



补世荣
电子科技大学副教授

SPEAKERS

SPEAKERS



Ran WEI

Vice Chairman of iSLA
Chief Engineer of China Academy of Information and Communications Technology (CAICT)



Hequan WU

Academician of Chinese Academy of Engineering



Youdan XIAO

Researcher, Institute of Science and Technology
Strategic Consulting, Chinese Academy of Sciences
Director, Institute of Science and Technology Development Strategy



Ye TIAN

Deputy Director, Third Research Division,
Equipment Industry Development Center,
Ministry of Industry and Information Technology (MIIT) Deputy Secretary General of Low-Altitude Industry Alliance



Guosong ZENG

Secretary General of iSLA



Hao ZHI

COO & Head of Strategy and Business Development Department, Shanghai Hisilicon



Xiang MENG

Co-director, Joint Laboratory of Electromagnetic Space Security Technology Research, MIT
National Spectrum Resource Committee Member
Researcher, Institute of Information Engineering, Chinese Academy of Sciences



Wenbang YE

Member of Expert Committee, iSLA
Former Deputy Director-General (Level-1 Inspector), Emergency Management Department of Guizhou Province
Expert of Emergency Management Research Center, Ministry of Emergency Management



Xiao WANG

Director of Industrial Promotion Department, iSLA



Luis Jorge ROMERO

Chief Strategy Officer of Comentropy



Xuming FANG

Professor of Southwest Jiaotong University
Head of Information Expert Group,
Technical Committee of Chengdu Railway Bureau



Shanpeng XIAO

Director of IoT Technology and Application Research Institute,
China Mobile Research Institute



Jiang CHANG

Deputy Director (Senior Engineer) of Wireless Research Institute,
Academy of Broadcasting Planning, NRTA



Meng ZHAO

Head of Digital Key Testing Business,
China Automotive Technology and Research Center (Tianjin) Co., Ltd.



Hengxi WEI

Deputy General Manager,
Home Smart Connectivity Department,
China Mobile Smart Home Operations Center



Tongbo WANG

Short-Range Communication Technology Expert,
Huawei

**Zichen XIE**

Chief Technology Expert for Short-Range IoT,
Hisilicon

**Xin HUANG**

Director of Brand and Retail Operations,
COLMO High-End Brand Company,
Midea Group

**Hong WANG**

Associate Professor,
Harbin Institute of Technology (Shenzhen)

**Congcong WANG**

Special Research Assistant,
Institute of Computing Technology,
Chinese Academy of Sciences

**Yongmao WANG**

R&D Director of Flydigi Technology

**Guoliang SHEN**

CEO & CTO of Wuhan Pansheng Technology

**Xu AN**

Senior Marketing Manager of Minew Technologies

**Lei SHI**

Deputy General Manager of
HopeRun Technologies

**Zhiwei WANG**

Deputy Director of IoT Technology Department,
CAICT CTTL Terminal Laboratory
Executive Council Member of
IEEE PES China Technical Committee

**Xianwen LI**

General Manager of Shenyang Kewangtong
Information Technology

**Wei CHEN**

Product Director of Digital Key,
YF Technology

**Jing DING**

Head of Terminal Development Department,
Ailing Network

**Shirong BU**

Associate Professor, University of
Electronic Science and Technology of China

整体平面图 1F

室内展区:深圳市民中心 B区·1F 东展厅
主会场:深圳市民中心 B区·1F 多功能厅

- A00 远峰科技股份有限公司

A01 深圳市星闪产业及生态

A02 华为技术有限公司

A03 武汉攀升鼎承科技有限公司

A04 海思技术有限公司

A05 星闪智能制造

A06 星闪联盟-国际星闪无线短距离通信联盟

A07 短距离无线电设备检测与评估工信部重点实验室(国家无线电监测中心)

A08 杭州永诺科技有限公司

A09 大唐联仪科技有限公司

A10 北京星河亮点技术股份有限公司

A11 浙江声研科技有限公司
- A12 博泰车联网科技(上海)股份有限公司

A13 上海飞智电子科技有限公司

A14 深圳市思尼克技术有限公司

A15 广东惠伦晶体科技股份有限公司

A16 中国农业银行股份有限公司深圳市分行深圳凤凰支行

A17 生态展区

A18 华为技术有限公司

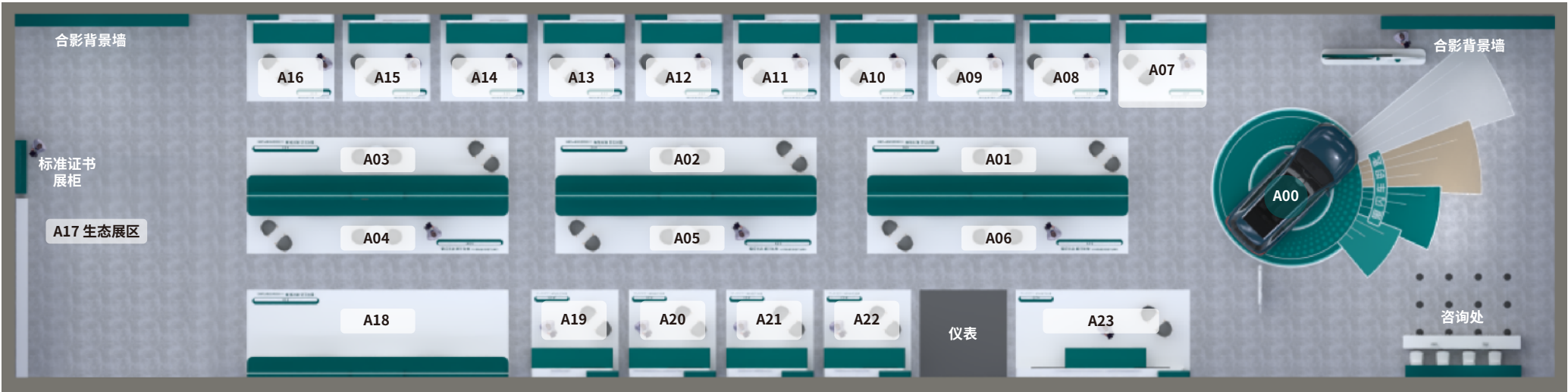
A19 深圳市中易腾达科技股份有限公司

A21 济南博赛网络技术有限公司

A20 深圳市明裕丰科技有限公司

A22 深圳市纬联技术有限公司

A23 星闪国际化发展

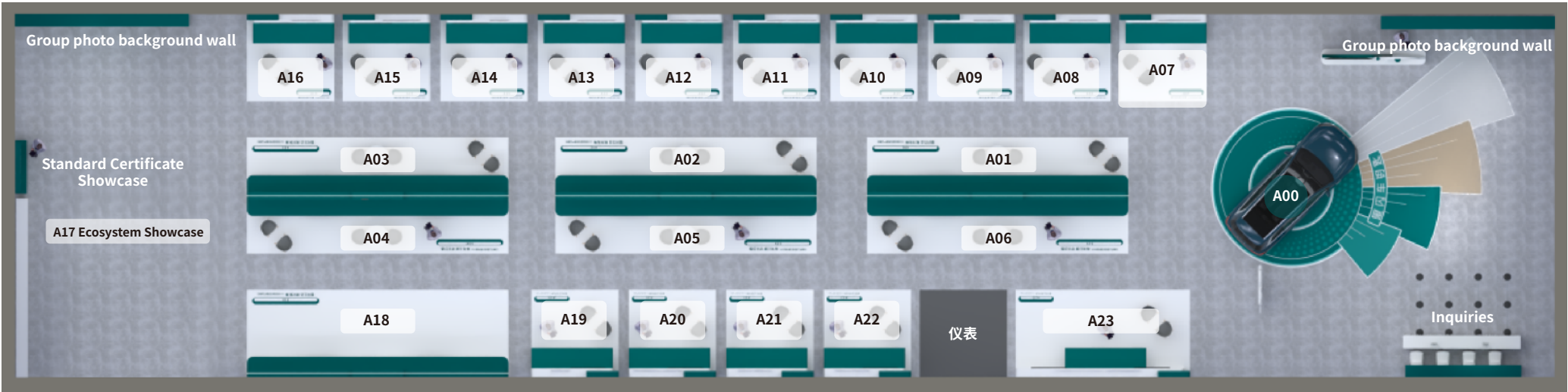
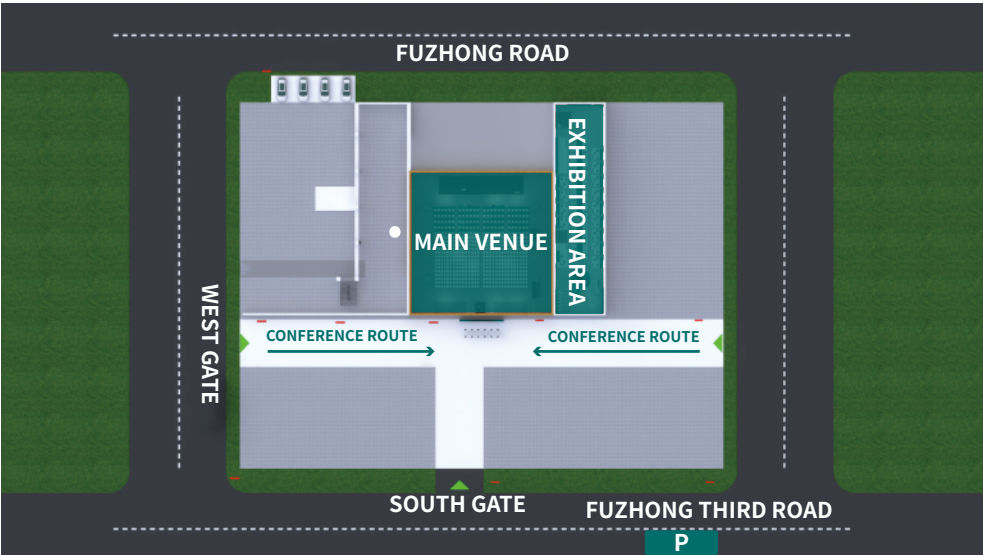


OVERALL LAYOUT 1F

Indoor exhibition area: East exhibition on 1F, Area B, Shenzhen Civic Center;
Main venue: Multi-functional hall on 1F, Area B, Shenzhen Civic Center

- A00 Yuanfeng Technology Co., Ltd.
- A01 Shenzhen XingShan Industry and Ecosystem
- A02 Huawei Technologies Co., Ltd.
- A03 Wuhan Ipason Technology Co., Ltd.
- A04 Hisilicon Technologies Co., Ltd.
- A05 NearLink Intelligent Manufacturing
- A06 International SparkLink Wireless Short
- Range Communication Alliance -Interoperability Test
- A07 Key Laboratory Ministry of Industry and Information Technology
(State Radio Monitoring Center)
- A08 Hangzhou Yongxie technology Co.,Ltd.
- A09 DaTang LinkTester Technology Co., Ltd.
- A10 Beijing StarPoint Technology Co., Ltd.
- A11 Zhejiang Shengyan Technology Co., Ltd

- A12 PATEO CONNECT Technology (Shanghai) Corporation
- A13 Shanghai Flydigi Electronic Technology Co., Ltd.
- A14 Ceaic Technology Co.,Ltd.
- A15 Guangdong Faith Long Crystal Technology Co.,Ltd.
- A16 Agricultural Bank of China Co., Ltd. Shenzhen Branch,
Shenzhen Fenghuang Sub-branch
- A17 Ecosystem Showcase
- A18 Huawei Technologies Co., Ltd.
- A19 Iton Technology Corp.
- A20 Shenzhen Mingyufeng Technology Co., Ltd.
- A21 BOSSAY
- A22 ShenZhen V-Link Technology Co.,LTD.
- A23 SparkLink International Exhibition Area



交通指南

地址:深圳市民中心 B区•1F

深圳宝安国际机场到达

 地铁:

- 11号线机场站(红岭南方向)出发到达福田站转乘8号线
- 8号线(小梅沙方向)乘坐到市民中心站,出站步行至南门入口进入会场

 公交:

- 机场地面交通中心西平台乘坐A0线大巴车出发,到达福田口岸城市候机楼公交首末站,步行至福强路口站转乘60路到达市民中心东站,下车后步行至南门入口进入会场

 网约车:

- 平台搜索“深圳市民中心南门”

深圳北站到达

 地铁:

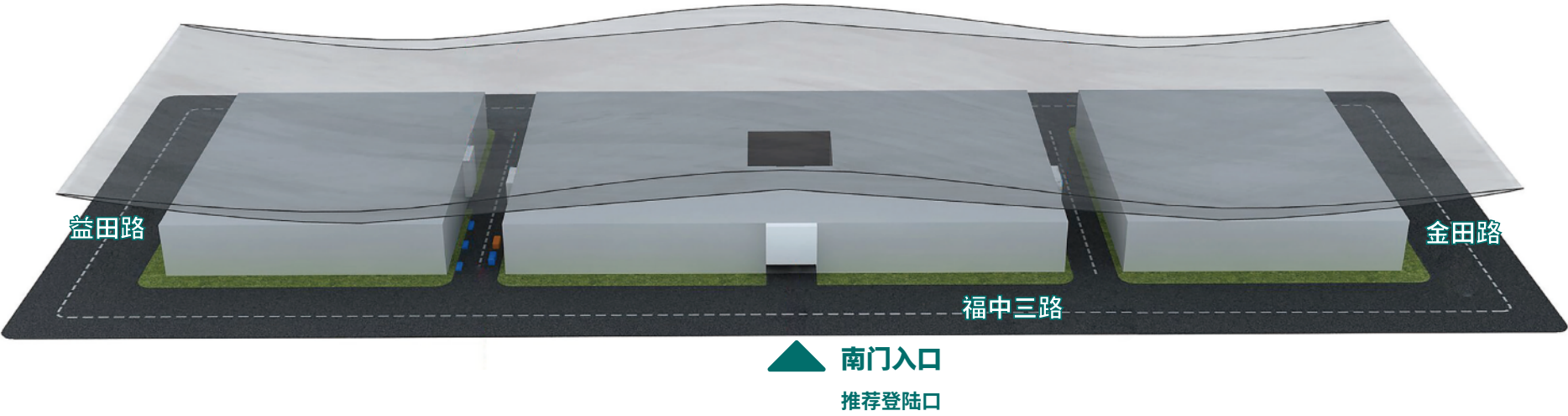
- 4号线深圳北站(福田口岸方向)出发到达市民中心站(C口),出站步行至南门入口进入会场

 公交:

- 步行至深圳北汽车站乘坐M459路上车,到达市民东站下车,下车后步行至南门入口进入会场

 网约车:

- 平台搜索“深圳市民中心南门”



Address: Shenzhen Civic Center area B • 1F

Arrive at Shenzhen Bao'an International Airport.

 METRO:

Take Line 11 (Hongling South direction) from Airport Station to Futian Station, and transfer to Line 8.
Take Line 8 (Xiaomeisha direction) to Civic Center Station. Exit the station and walk to the south gate of
Shenzhen Civic Center.

 BUS:

Take Line A0 from the west platform of the airport ground transportation center to the terminal bus stop
of the city terminal of Futian Port.Walk to Fuqiang Road Crossing Station, take the No. 60 bus to Civic
Center East Station, and walk to the south gate of Shenzhen Civic Center.

 ONLINE CAR-HAILING:

Search "South gate of Shenzhen Civic Center" on the online car-hailing platform.

Arrive at Shenzhen North Railway Station.

 METRO:

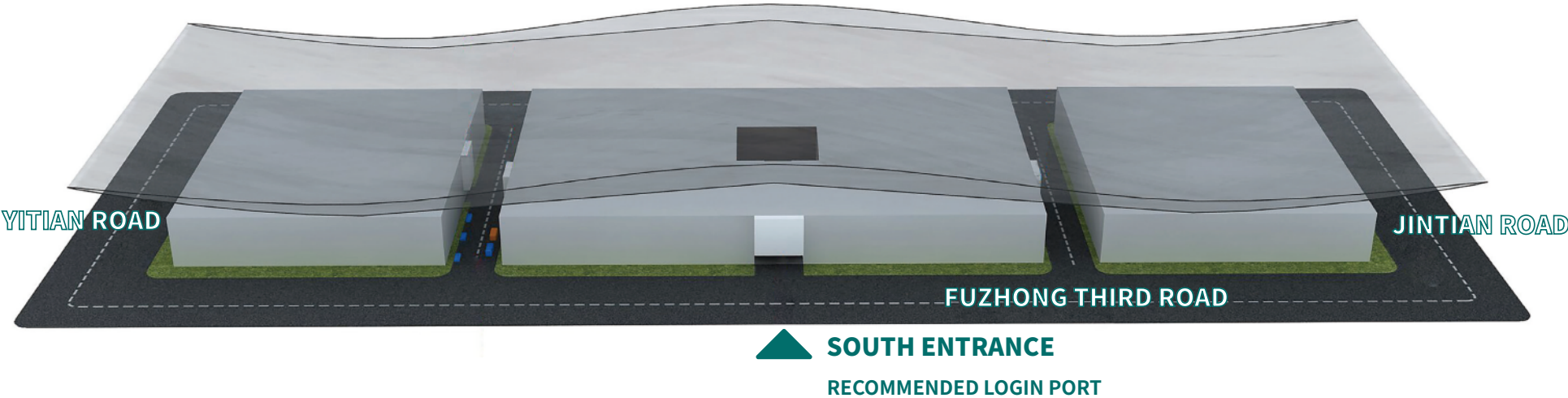
Take Line 4 (Futian Checkpoint direction) from Shenzhen North Station to Civic Center Station (Exit C).
Exit the station and walk to the south gate of Shenzhen Civic Center.

 BUS:

Walk to Shenzhen North Coach Station and take the M459 bus. Get off at the Civic Center East Station
and walk to the south gate of Shenzhen Civic Center.

 ONLINE CAR-HAILING:

Search "South gate of Shenzhen Civic Center" on the online car-hailing platform.



A00

远峰科技股份有限公司 Yuanfeng Technology Co., Ltd.

星闪数字钥匙及指向遥控功能
NearLink Digital Key And Pointing Remote Control Function

A01

深圳市闪联信息技术有限公司 IGRS Engineering Lab (shenzhen) Ltd.

星闪大屏一体机 (LS-T65XS)
NearLink Large-Screen All-in-One Machine (LS-T65XS)

星闪随身屏 (LS-S32XS)
NearLink Portable Screen (LS-S32XS)

星闪投屏盒子 (LS-D35XS)
NearLink Screen Mirroring Box (LS-D35XS)

星闪无线AP
NearLink Wireless Access Point (Wireless AP)

星闪硬件开发平台 (SLB-3588RD)
NearLink Hardware Development Platform (SLB-3588RD)

星闪高层协议栈
Nearlink High Layer Protocol Stack

鹰驾科技(深圳)有限公司 Eagle Drive Tech (shenzhen) Co.,Ltd

星闪360环视系统 NearLink 360-Degree Surround View System

星闪摄像头 ESL-C01 NearLink Camera ESL-C01

星闪开发板 ESL-K01 NearLink Development Board ESL-K01

深圳市为思润华科技有限责任公司 WSRH

星闪2820方案鼠标卡板 NearLink 2820 Solution Mouse Card Board

星闪2822方案鼠标卡板 NearLink 2822 Solution Mouse Card Board

星闪2820方案键盘卡板 NearLink 2820 Solution Keyboard Card Board

星闪2822/2821/2820工业数传模组
NearLink 2822/2821/2820 Industrial Data Transmission Modules

深圳星链创新技术有限公司 Shenzhen NovaLink Technology Co., Ltd.

星闪低时延 SLE 模块 NearLink Low - Latency SLE Module

星闪 IPoSLE 网关 NearLink IPoSLE Gateway

A02

华为技术有限公司 Huawei Technologies Co., Ltd.

华为 MatePad Pro
HUAWEI MatePad Pro

华为智能磁吸键盘
HUAWEI Smart Keyboard

华为无线鼠标
HUAWEI Wireless Mouse

华为M-Pencil
HUAWEI M-Pencil

华为Mate60
HUAWEI Mate60

华为凌霄子母路由Q7
HUAWEI Router Q7

华为Pura70 pro+
HUAWEI Pura70 Pro+

华为FreeBuds pro 4
HUAWEI FreeBuds Pro 4

展示配套生态产品 Display of Supporting Ecological Products

北通智能游戏手柄
BEITONG Gamepad

小豚当家室外摄像头
Xiaotun Dangjia Outdoor Camera

哈尔斯智能泡茶杯
Haers Smart Titanic Tea Boottle

麦乐克星闪无线温湿度传感器
MultiR Temperature and Humidity Sensor

星闪多方互动投屏
NearLink Multi-Party Interactive Projection Screen

A03

武汉攀升鼎承科技有限公司 Wuhan Ipason Technology Co., Ltd.

星闪模组 NCM110T NearLink Module NCM110T
 星闪模组 WME110T NearLink Module WME110T
 星闪版 IPC NearLink IPC
 星闪笔记本 NearLink Notebook
 星闪路由器 NearLink Router
 星闪投屏器 NearLink Screen Mirroring Device
 星闪电竞鼠标 NearLink Gaming Mouse
 星闪台式机 NearLink Desktop Computer

A04

海思技术有限公司 Hisilicon Technologies Co., Ltd.——星闪生态产品

海信——星闪机顶盒和遥控器 NearLink Set-Top Box And Remote Control
 鹿得——星闪血压计 NearLink Blood Pressure Monitor
 润和软件——智能仿生机器狗 Intelligent Bionic Robot Dog
 德施曼——星闪低功耗门锁 NearLink Low Power Consumption Door Lock
 华为——星闪手机 NearLink Mobile Phone
 华为——星闪PAD、手写笔 NearLink PAD, Stylus Pen
 车钥匙DEMO模型 Car Key DEMO Model
 车钥匙 Car Key
 润和软件——星闪模组&开发板
 星闪WS63模组 NearLink WS63 Module
 星闪WS63E模组 NearLink WS63E Module
 星闪BS21模组 NearLink BS21 Module
 星闪WS63开发板 NearLink WS63 Development Board
 星闪WS63E开发板 NearLink WS63E Development Board
 星闪BS21E开发板 NearLink BS21E Module
 星闪WS63E传感器开发板 NearLink WS63E Sensor Development Board
 星动力63开发板 StarPower 63 Development Board
 润和软件——星闪派物联网开发套件 NearLink IoT Development Kit
 利尔达——星闪模组 NearLink Module
 纬联——星闪模组 NearLink Module

A05

星闪智能制造 NearLink Intelligent Manufacturing

星闪无线智能机械手 NearLink Wireless Intelligent Robots
 星闪无线电机同步控制 NearLink Wireless Motor Synchronization Control
 安全生产解决方案 Safety Production Solutions

江苏润和软件股份有限公司 Jiangsu Hoperun Software Co., Ltd.

星闪5G网关 NearLink 5G Gateway
 星闪集中器 NearLink Concentrator
 星闪点阵笔解决方案 NearLink Dot Matrix Pen Solution
 星闪一对多展示 NearLink One - to - Many Demonstration
 星闪+Oniro+Kanto案例 NearLink + Oniro + Kanto Case
 玲珑号 Linglong-Hao
 DAYU200 DAYU200
 星闪WS63温湿度传感器 NearLink WS63 Temperature and Humidity Sensor
 星闪WS63水浸传感器 NearLink WS63 Water Leak Sensor
 星闪WS63 门状态传感器 NearLink WS63 Door Status Sensor
 星闪WS73E USB Dongle NearLink WS73E USB Dongle

深圳开鸿数字产业发展有限公司 Shenzhen Kaihong Digital Industry Development Co., Ltd.

开鸿星闪模组KHM-3863A Kaihong NearLink Module KHM-3863A
 开鸿星闪开发板KHD-3863B Kaihong NearLink Development Board KHD-3863B
 开鸿星闪模块KHM-3873A Kaihong NearLink Module KHM-3873A
 开鸿星闪模组KHM-3873B Kaihong NearLink Module KHM-3873B
 开鸿星闪开发板KHDVK-3568A Kaihong NearLink Development Board KHD-3568A
 开鸿星闪照明套件 Kaihong NearLink Lighting Kit
 开鸿星闪适配器 Kaihong NearLink Adapter
 开鸿星闪控制器 Kaihong NearLink Controller
 开鸿星闪Dongle Kaihong NearLink Dongle
 开鸿星闪智慧全场景实验箱
 Kaihong NearLink Intelligent Full - Scene Experiment Box
 开鸿星闪无人机(极客版) Kaihong NearLink Drone (Geek Edition)
 开鸿星闪温湿度传感器
 Kaihong NearLink Temperature and Humidity Sensor

A05

电子科技大学 University of Electronic Science and Technology of China

脉泽无源无线测温传感器
Maser Batteryless Wireless Temperature Sensor

A06

国际星闪无线短距通信联盟
International SparkLink Wireless Short - Range Communication Alliance

标准文档 Standard Document
星闪数字人 NearLink Digital Human

互联互通测试 Interoperability Test

One Package一体化测试系统
One - Package Integrated Testing System
现场演示用互通性测试平台
Interoperability Testing Platform for On-site Demonstration
通过互通测试的样品
Samples that have passed the interoperability test
深圳市安睿信科技有限公司——星闪鼠标 M1 NearLink Mouse M1
深圳市安睿信科技有限公司——星闪鼠标 M4 NearLink Mouse M4
深圳市闪联信息技术有限公司——星闪SLB开发板SLB-3588RD
NearLink SLB Development Board SLB - 3588RD
深圳市阿斯盾云科技有限公司——G03 Pro/UIUltra G04
深圳市凌豹科技有限公司——M5 Max+ M5 Max+
雷神科技(中国)——ML8
深圳机械革命科技有限公司——RM2
鹰驾科技(深圳)有限公司——星闪摄像头 ESL-C01
NearLink Camera ESL - C01
鹰驾科技(深圳)有限公司——星闪开发板 ESL-K01
NearLink Development Board ESL - K01
广州市品众电子科技有限公司——北通星闪游戏手柄
NearLink Gamepad

A07

短距离无线电设备检测与评估工信部重点实验室(国家无线电监测中心)
Key Laboratory Ministry of Industry and Information Technology (State Radio Monitoring Center)

星闪产品测试 NearLink Technology Testing

星闪产品列名测试
NearLink Product Listing Testing

星闪产品兼容性与互操作测试
NearLink Product Compatibility and Interoperability Testing

星闪产品性能功能及其他定制化测试
NearLink Product Performance, Function and Other Customized Testing

商业合规检测与认证(北京&深圳)
Commercial Compliance Testing and Certification (Beijing & Shenzhen)

无线电发射设备型号核准检测(强制)
Radio Transmission Equipment Model Approval Testing (Mandatory)

CCC检测与认证(强制)
CCC Testing and Certification (Mandatory)

测试系统及信息化方案
Testing Systems and Informatization Solutions

星闪联盟互操作测试系统
SparkLink Alliance Interoperability Testing System

星闪联盟官网测试在线受理平台
Online Acceptance Platform for Testing and Certification on SparkLink Alliance Official Website

其他无线通信自动化测试方案及信息化管理系统
Other Wireless Communication Automated Testing Solutions and Informatization Management Systems

A08

杭州永谐科技有限公司 Hangzhou Yongxie technology Co.,Ltd.

星闪信令测试仪 SLE1000 NearLink Signaling Tester SLE1000

星闪协议分析仪 SLE200 NearLink Protocol Analyzer SLE200

A09

大唐联仪科技有限公司 DaTang LinkTester Technology Co., Ltd.

星闪仪器仪表 SSA5005 NearLink Sniffer SSA5005

星闪仪器仪表 CTP3308F NearLink non-signalling Tester CTP3308F

A10

北京星河亮点技术股份有限公司 Beijing StarPoint Technology Co., Ltd.

SP9500Pro-SLT新短距无线综测仪
SP9500Pro-SLT NearLink Wireless Test Set

SP9020星闪短距非信令综测仪
SP9020 NearLink Short-Range Non-Signalling Communication Test Set

SP9100B星闪短距非信令综测仪
SP9100B NearLink Short-Range Non-Signalling Communication Test Set

A11

浙江声研科技有限公司 Zhejiang Shengyan Technology Co., Ltd

XS-SY01星闪音频模组
XS-SY01 NearLink Audio Module

SY-003_V02星闪音频开发板
SY-003_V02 NearLink Audio Development Board

SY-205Dangle外部连接器
SY-205 Dangle External Connector

A12

博泰车联网科技(上海)股份有限公司
PATEO CONNECT Technology (Shanghai) Corporation

星闪智能钥匙 NearLink Digital Key

星闪无线氛围灯 NearLink Ambient Lighting

A13

上海飞智电子科技有限公司
Shanghai Flydigi Electronic Technology Co., Ltd.

星闪游戏手柄 NearLink Game Controller

A14

深圳市思尼克技术有限公司 Ceaic Technology Co.,Ltd.

无线2K星闪鼠标 M02 Wireless 2K NearLink Mouse: M02

无线4K星闪鼠标 M03 Wireless 4K NearLink Mouse: M03

无线8K星闪鼠标 M05 Wireless 8K NearLink Mouse: M05

无线2K 4K USB星闪接收模块:D02
Wireless 2K 4K USB NearLink Receiver Module: D02

SLE0X星闪模组:SLE21E 22 26
SLE0X NearLink Module: SLE21E 22 26

SLE0X星闪+PA模组:SLE21EP 22P 26P
SLE0X NearLink + PA Module: SLE21EP 22P 26P

星闪开发板:NL004-SLE21E SLE22 SLE26
NearLink Development Board: NL004-SLE21E SLE22 SLE26

星闪+PA开发板:NL004-SLE21EP SLE22P SLE26P
NearLink + PA Development Board: NL004-SLE21EP SLE22P SLE26P

A15

广东惠伦晶体科技股份有限公司
Guangdong Faith Long Crystal Technology Co.,Ltd.

SMD型石英晶体谐振器-SEAM

温度补偿石英晶体振荡器-TCXO

普通石英晶体振荡器-OSC

内置热敏电阻石英晶体谐振器-TSX

音叉型石英晶体谐振器-TUNING FORK

A16

中国农业银行股份有限公司深圳凤凰支行

星闪-专精特新 E 贷

A17

为准(北京)电子科技有限公司 WELZEK

星闪测试仪器T6290E NearLink Testing Instrument T6290E
星闪测试仪器T6290U NearLink Testing Instrument T6290U
星闪测试仪器K6206-V20 NearLink Testing Instrument K6206-V20

深圳市极致汇仪科技有限公司 Shenzhen iTest Technology Co.,LTD.

星闪测试仪器 WT-428 NearLink Testing Instrument WT-428

**江南信安(北京)科技有限公司
Jiangnan Information Security (Beijing) Technology Co., Ltd.**

可信密码星闪鼠标 Trustworthy NearLink Password Mouse

**深圳开鸿硬件生态科技有限公司
Shenzhen Kaihong Hardware Ecology Technology Co., Ltd.**

2821模组HLP-S-900-21-V0.0 2821Module HLP-S-900-21-V0.0
2821模组HLP-S-900-21-V0.1 2821Module HLP-S-900-21-V0.1
3873模组HLP-S-SD-800-73-V0_0 3873Module HLP-S-SD-800-73-V0_0
3873模组HLP-S-US-800-73-V0_0 3873Module HLP-S-US-800-73-V0_0
3863模组HLP-S-C-800-63-V0_0 3863Module HLP-S-C-800-63-V0_0
星闪网关XSL-GW01 NearLink Gateway XSL-GW01
星闪灯具开关 NearLink Lamp Switch

北京中科晶上科技股份有限公司 Beijing Sylincom Technology Co.,LTD.

星闪芯片DX-T600 NearLink Chip DX-T600
星闪模组SLM600V10 NearLink Module SLM600V10
星闪模组SLM600V20 NearLink Module SLM600V20
星闪dongle SLD600V20 NearLink Dongle SLD600V20

**北京中科晶上科技股份有限公司/山东世颢通信技术有限公司(联合开发)
Beijing Sylincom Technology Co.,LTD. / Shandong Shiju Communication Technology Co., Ltd. (Joint Development)**

CPE SLC600V10

A18

华为技术有限公司 Huawei Technologies Co., Ltd.

星闪多跳组网图传
NearLink Multi-hop networking diagram transmission

星闪全场景应急
NearLink All-Scenario Emergency Response

星闪通感定一体化
NearLink Integrated communication awareness and positioning

A19

深圳市中易腾达科技股份有限公司 Iton Technology Corp.

星闪电感轴游戏键盘 Nearlink Inductance Axis Gaming Keyboard
星闪机械轴游戏键盘 Nearlink Mechanical Axis Gaming Keyboard
星闪游戏鼠标BS20 Nearlink Gaming Mouse BS20
星闪游戏鼠标BS26 Nearlink Gaming Mouse BS26
星闪通用遥控器 Nearlink Universal Remote Control
星闪透传模块BS21 Nearlink Module BS21
星闪模块3853 Nearlink Module 3853
星闪模块3863,3863E Nearlink Module 3863,3863E
星闪模块3873 Nearlink Module 3873

方案产品展示 Display of Solution Products

青岛雷神科技股份有限公司—星闪游戏鼠标 ML903 SE
Nearlink Gaming Mouse ML903 SE

深圳市绿联科技股份有限公司—星闪办公鼠标M726
Nearlink Office Mouse M726

深圳市倍思科技有限公司—星闪办公鼠标F02-XS
Nearlink Office Mouse F02-XS

深圳铭源电玩科技股份有限公司—星闪冷暖电竞鼠标
Nearlink Gaming Mouse

A20

博赛数字科技集团有限公司 BOSSAY

鸿闪物联通用终端 Hongshan IoT Universal Terminal
 鸿闪物联PN网关 Hongshan IoT PN Gateway
 鸿闪物联MQTT网关 Hongshan IoT MQTT Gateway
 鸿闪物联星闪PDA Hongshan IoT NearLink PDA
 鸿闪物联汗液监测终端 Hongshan IoT Sweat Monitoring Terminal
 鸿闪物联开发套件 Hongshan IoT Development Kit
 星闪PLC NearLink PLC

A21

深圳市明裕丰科技有限公司 Shenzhen Mingyufeng Technology Co., Ltd.

星闪模组MYF-F63VA01 NearLink Module MYF-F63VA01
 星闪模组MYF-F63VX01 NearLink Module MYF-F63VX01
 星闪模组MYF-F63EX01 NearLink Module MYF-F63EX01
 星闪模组MYF-F63EA01 NearLink Module MYF-F63EA01
 星闪模组MYF-F20VB01 NearLink Module MYF-F20VB01
 星闪模组MYF-F73UX01 NearLink Module MYF-F73UX01

A22

深圳市纬联技术有限公司 ShenZhen V-Link Technology Co.,LTD.

星闪模组H383S NearLink Module H383S
 星闪模组H373U NearLink Module H373U
 星闪模组H383E NearLink Module H383E
 星闪模组H385 NearLink Module H385
 星闪模组H353 NearLink Module H353
 星闪模组H353S NearLink Module H353S
 星闪模组H363 NearLink Module H363
 星闪模组H963 NearLink Module H963
 星闪模组H280 NearLink Module H280
 星闪模组H980 NearLink Module H980
 星闪模组H281 NearLink Module H281
 星闪模组H981 NearLink Module H981
 PSA280
 PSA281

A23

星闪国际化展区 SparkLink International Exhibition Area

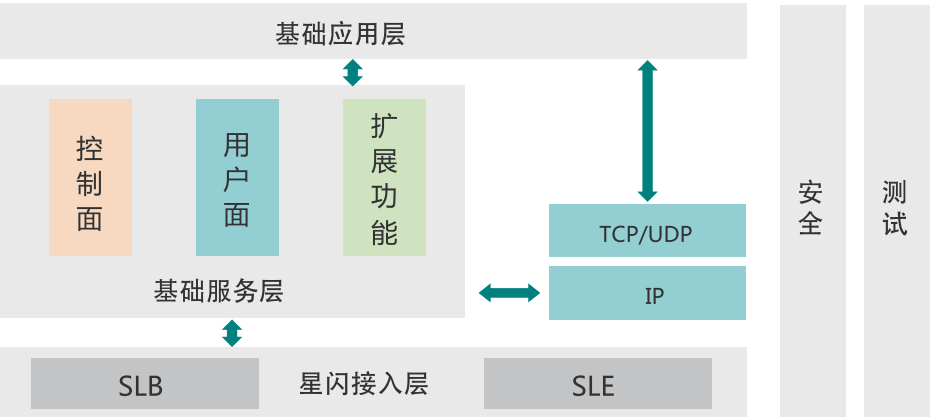
SLB:Synchronous Low latency Broadband 星闪同步低时延宽带

项目	性能指标
峰值速率	G 链路峰值 > 900Mbps@单载波20MHz T 链路峰值 > 450Mbps@单载波20MHz 最大支持16载波，320MHz带宽
空口时延	< 20μs
可靠性	误块率(BLER) < 1e-5
同步精度	< 1μs (定时精度 ± 30ns)
多用户能力	支持4096用户接入 支持1毫秒内80用户数据并发@单载波20MHz
覆盖	最低信噪比 -5dB
安全性	高安全（双向认证，算法协商，支持国密）

SLE:Synchronous Low Energy 星闪同步低功耗

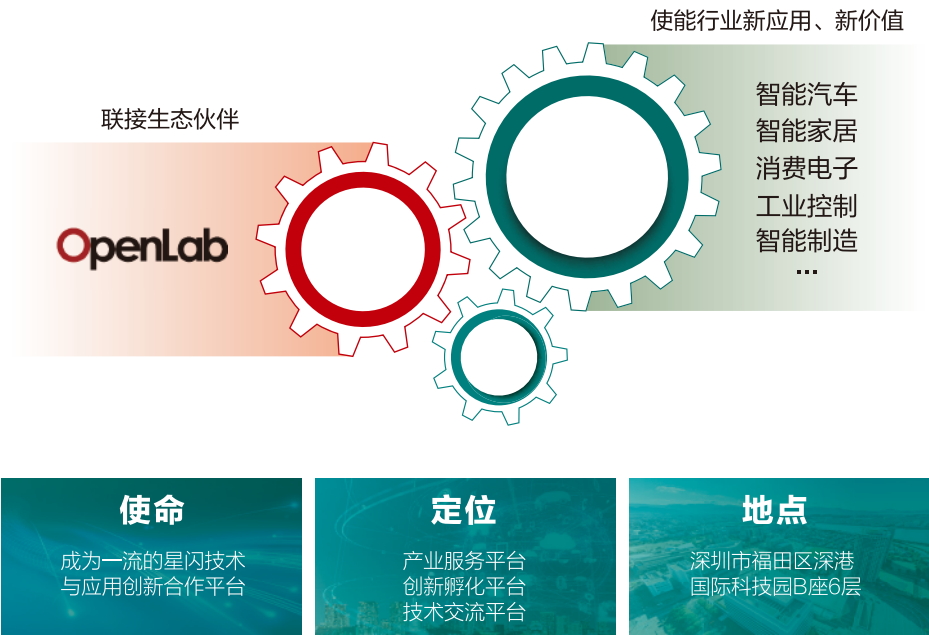
项目	性能指标
峰值速率	12Mbps（最大4MHz带宽，最高8PSK） 支持96KHz采样32位宽双声道无压缩音频
空口时延	支持250μs (双向)
多用户能力	支持256用户接入
覆盖	最低信噪比 -3dB
安全性	高安全（双向认证，算法协商，支持国密）
电流	数据通信: <2mA @ 2Mbps 保活状态: <0.3mA

3层架构



12项标准

标准名称	分类
星闪无线通信系统 架构	架构
无线短距通信 车载空口技术要求和测试方法（CCSA制定）	星闪接入层
星闪无线通信系统 接入层 低功耗空口技术要求和测试方法	
星闪无线通信系统 基础服务层 设备发现与服务管理	基础服务层
星闪无线通信系统 基础服务层 传输与控制	
星闪无线通信系统 基础服务层 服务质量管理	
星闪无线通信系统 基础服务层 多域协调与管理	
星闪无线通信系统 基础服务层 5G蜂窝网络融合	安全
星闪无线通信系统 网络安全 通用要求	
星闪无线通信系统 媒体接入层标识分配	地址分配
星闪无线通信系统 测试 星闪基础接入技术（SLB）设备要求和测试方法	测试
星闪无线通信系统 测试 星闪基础接入技术（SLB）设备安全要求和测试方法	



星闪联盟成员单位 1126

截止至2025Q1



行业组织战略合作 15

截止至2025年Q1



新场景、新应用对无线短距联接技术提出新的挑战

星闪是无线短距通信技术新架构



低时延



智能终端交互协同给用户带来沉浸式的体验，要求终端间无线通信微秒级低时延且兼顾优质体验



高并发



智能汽车在新四化方向发展迅速，车载功能日益丰富，要求无线通信支持高并发，满足大幅提升的通信节点数



高可靠



工业现场网络出现泛在化、无线化、融合化的发展趋势，要求设备无线互联高可靠性，提升生产效率



抗干扰



无线联接越来越普遍。在火车站、地铁等人流大、干扰强的环境中，要求无线音频不卡顿、无噪音



宽带模式 (SLB)

- 超低时延
- 高并发
- 高抗干扰
- 高精同步
- 高安全

低功耗模式 (SLE)

- 低功耗+高速率
- 超低时延交互
- 可靠组播

2.0标准演进

- 网络自组织
- 高精度定位
- 高精度感知
- 音视频原生应用

星闪技术创新优势：**一标多模，一技多用**

星闪关键特性, 满足新场景、新应用的极致要求



智能汽车
· 车载主动降噪
· 端到端时延<100μs
无线电池管理(wBMS)
· 电芯级监控, 数百节点



智能家居
视频投屏
· 通信传输时延<2ms
· 支持4K/8K视频传输
智能音箱
· 高精度时间同步<1μs



智能终端
可穿戴音频播放
· 96KHz/32bit 双声道无压缩音频
· 深覆盖灵敏度优于-110dBm
竞技游戏键鼠
· 4K键鼠, 时延<250μs



智能制造
机械臂运动控制
· 传输可靠性
99.999%~99.9999999%
协同机器人控制
· 微秒级同步
· 单向时延100~500



低时延
空口超短帧
可协商收发周期



高并发
统一调度管理
动态资源分配



高可靠
Polar信道编码
HARQ重传



抗干扰
信道扫描快速响应
新跳频算法, 防掉链



精同步
帧边界对齐设计
分布式测量



KEY TECHNICAL SPECIFICATIONS OF SPARKLINK

SLB: Synchronous Low latency Broadband

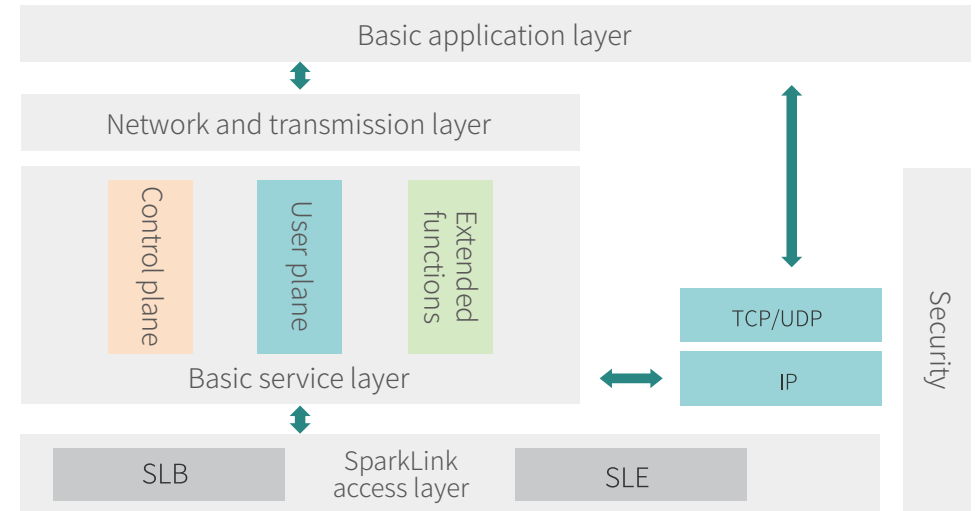
Item	Performance Indicator
Peak rate	G-link: > 900 Mbit/s @ 20 MHz single-carrier bandwidth T-link: > 450 Mbit/s @ 20 MHz single-carrier bandwidth Supports up to 16 carriers and 320 MHz bandwidth
Air interface latency	< 20 μ s
Reliability	Block error rate (BLER) < 1e-5
Synchronization precision	< 1 μ s (timing precision: $\pm$ 30 ns)
Multi-user capability	4,096 addressing spaces at the physical layer Supports concurrent data transmission for 80 users within 1 ms @ 20 MHz single-carrier bandwidth
Coverage	Minimum signal-to-noise ratio (SNR): -5 dB
Security	High security (two-way authentication, algorithm negotiation, and support for SM series cryptographic algorithms)

SLE: Synchronous Low Energy

Item	Performance Indicator
Peak rate	12 Mbit/s (up to 4 MHz bandwidth and 8PSK modulation) Supports 96 kHz (sampling rate) and 32-bit dual-channel uncompressed audio
Air interface latency	250 μ s (bidirectional)
Multi-user capability	Supports synchronous access of hundreds of users
Coverage	Minimum SNR: -3 dB
Security	High security (two-way authentication, algorithm negotiation, and support for SM series cryptographic algorithms)
Current	Data communications: < 2 mA @ 2 Mbit/s; keep-alive state: < 0.3 mA

SPARKLINK 1.0 AND 2.0 STANDARDS: MEETING THE CORE REQUIREMENTS OF APPLICATIONS

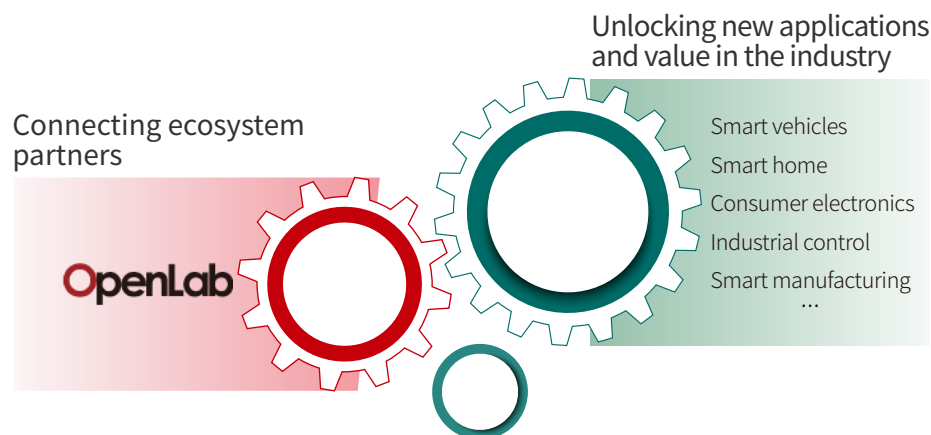
Standard protocol stack of SparkLink



12 standards

STANDARD NAME	CATEGORY
SparkLink Wireless Communication System Architecture	Architecture
Short-Range Wireless Communication - Vehicle-Mounted Air Interface Technical Requirements and Test Methods (CCSA formulation)	SparkLink Access Layer
SparkLink Wireless Communication System Access Layer - Low-Power Air Interface Technical Requirements and Test Methods	
SparkLink Wireless Communication System Basic Service Layer - Device Discovery & Service Management	Basic Service Layer
SparkLink Wireless Communication System Basic Service Layer - Transmission & Control	
SparkLink Wireless Communication System Basic Service Layer - Service Quality Management	
SparkLink Wireless Communication System Basic Service Layer - Multi-Domain Coordination & Management	
SparkLink Wireless Communication System Basic Service Layer - 5G Cellular Network Convergence	Security
SparkLink Wireless Communication System Cybersecurity - General Requirements	
SparkLink Wireless Communication System Media Access Layer Identifier Allocation	Address Allocation
SparkLink Wireless Communication System Testing - SLB (SparkLink Basic Access) Device Requirements and Test Methods	Testing
SparkLink Wireless Communication System Testing - SLB (SparkLink Basic Access) Device Security Requirements and Test Methods	

SPARKLINK OPENLAB: ACCELERATING INNOVATION AND ECOSYSTEM DEVELOPMENT



Mission

Becoming a leading platform for the innovation and cooperation of SparkLink technology and its applications

Positioning

Industry service platform
Innovation nurturing platform
Technical exchange platform

Address

Floor 6, Block B, Shenzhen-Hong Kong International Science and Technology Park, Futian District, Shenzhen



Exhibition

Technical standard interpretation
Ecosystem partner introduction
Showcase of sample applications
Latest news about iSLA



Communication

Technical discussion and exchange
Industry cooperation facilitation
High-level engagement in the industry



Technology

Solution design
Development suite release
Enabling and training by experts
Developer community operations



Developing

Product debugging and verification
Certification assistance
Guidance on product sales

JOIN US

1126 iSLA members

By Q1 2025



15 industry organizations engaged in strategic cooperation

By Q1 2025





Low latency



Interaction and collaboration among smart devices create immersive experiences for users. Hence, wireless communications between these devices must feature microsecond-level low latency and premium performance.



High concurrency



Smart vehicles are rapidly evolving toward connected, autonomous, shared, and electric (CASE) formats, and vehicle-mounted functions are increasingly diversified. This requires wireless communications to support high concurrency to cater to the significantly increasing number of communications nodes.



High reliability



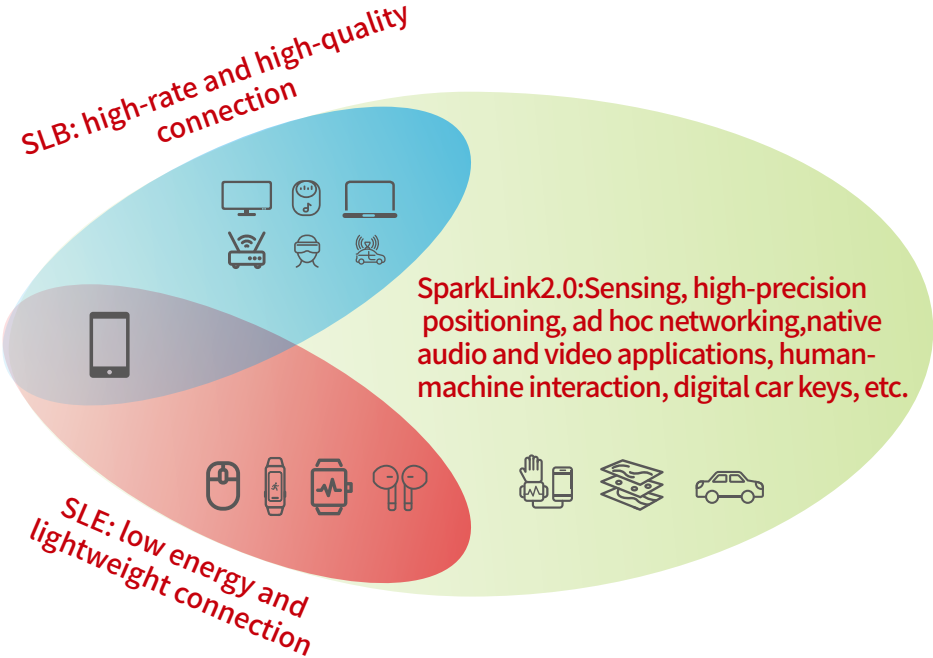
Industrial field networks are becoming increasingly ubiquitous, wireless, and converged, requiring highly reliable wireless device connectivity to boost production efficiency.



Anti-interference



It is significant to ensure the density deployment in public area, such as train stations and subways, and provide stutter-free and noise-free wireless audio in high-interference areas.



SLB	SLE	Evolution of SparkLink 2.0
- Ultra-low latency - High concurrency - High anti-interference - High-precision synchronization - High security	- Low power consumption + High rate - Ultra-low-latency interaction - Reliable multicast	- Self-organizing network - High-precision positioning - High-precision awareness - Native audio and video applications

SPARKLINK TECHNOLOGICAL INNOVATION ADVANTAGES:

ONE STANDARD, MULTIPLE MODES; ONE TECHNOLOGY, MULTIPLE APPLICATIONS

KEY FEATURES OF SPARKLINK:
SUPPORTING NEW SCENARIOS AND APPLICATIONS



Smart vehicles

- Vehicle-mounted active noise cancellation (ANC)**
- End-to-end latency < 100 μ s
- Wireless battery management system (wBMS)**
- Cell-level monitoring and hundreds of nodes



Smart home

- Video projection**
- Communication transmission latency < 2 ms
 - Supports 4K/8K video transmission
- Smart speaker**
- High-precision time synchronization: < 1 μ s



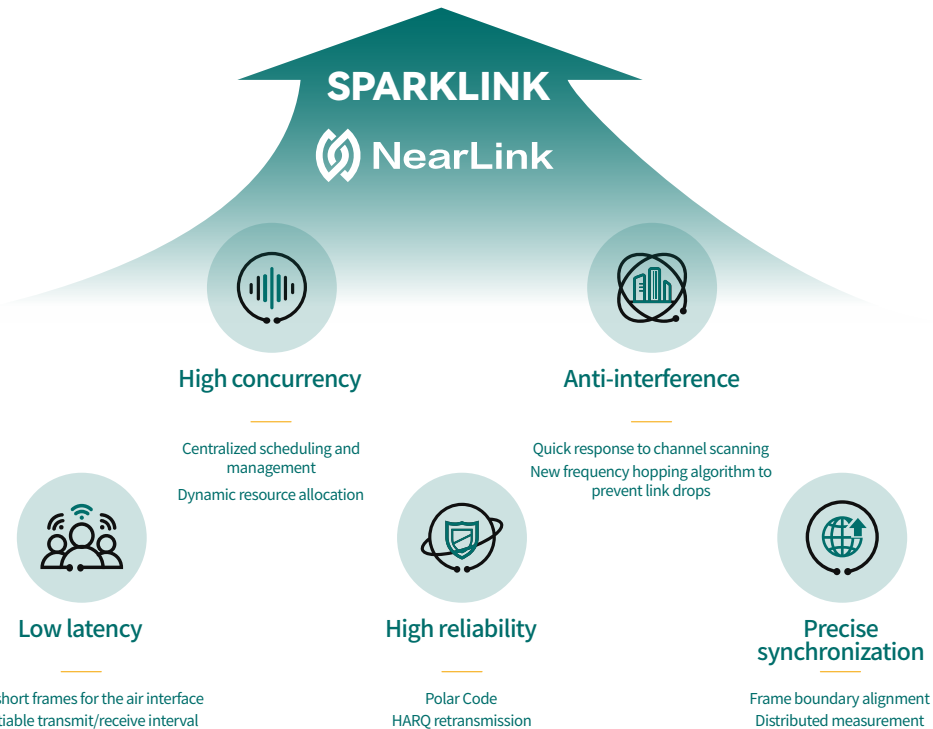
Smart devices

- Audio playback on wearables**
- 96 kHz/32-bit dual-channel uncompressed audio
 - Deep-coverage sensitivity: lower than -110 dBm
- Keyboard and mouse for competitive gaming**
- 4K keyboard and mouse; latency < 250 μ s



Smart manufacturing

- Robotic arm motion control**
- Transmission reliability: 99.999%-99.999999%
- Collaborative robot control**
- Microsecond-level synchronization
 - One-way latency: 100-500 μ s



国际星闪联盟秘书处

INTERNATIONAL SPARKLINK ALLIANCE SECRETARIAT



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展区展览时间
EXHIBITION TIME

25-28:AM9:30-PM17:30
29:AM9:30-AM12:20

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