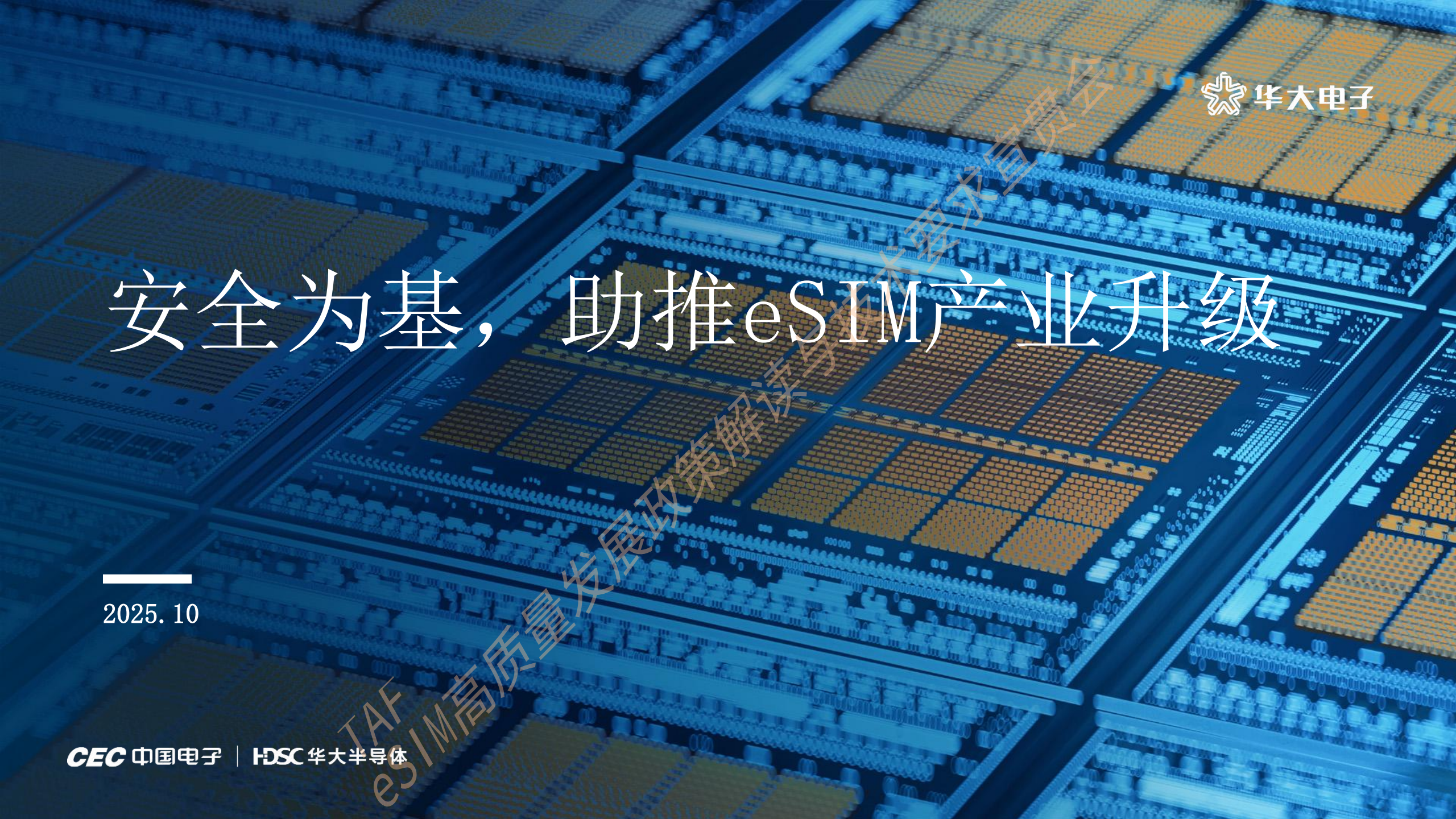


华大电子

安全为基，助推eSIM产业升级

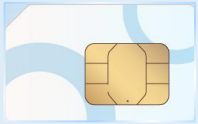
2025.10

CEC 中国电子 | HDSC 华大半导体

SIM/eSIM 发展变革

华大电子

400+ MNOs & X+ SOC & Y+ OS

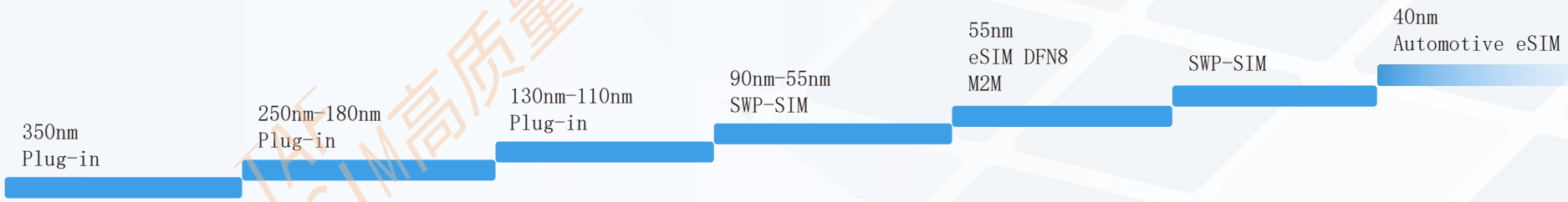

2FF


3FF


4FF


DFN8

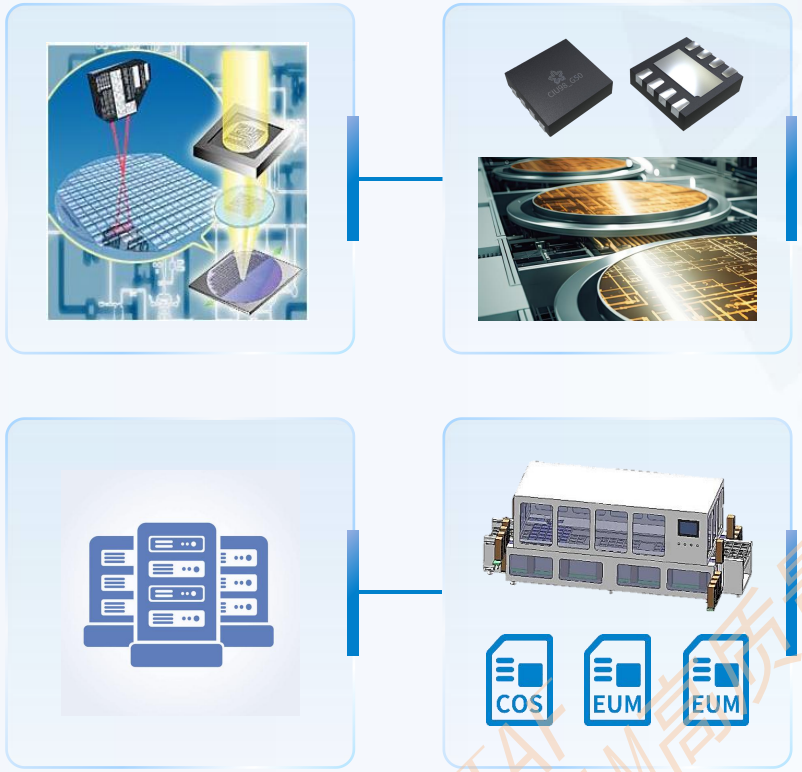

WLCSP



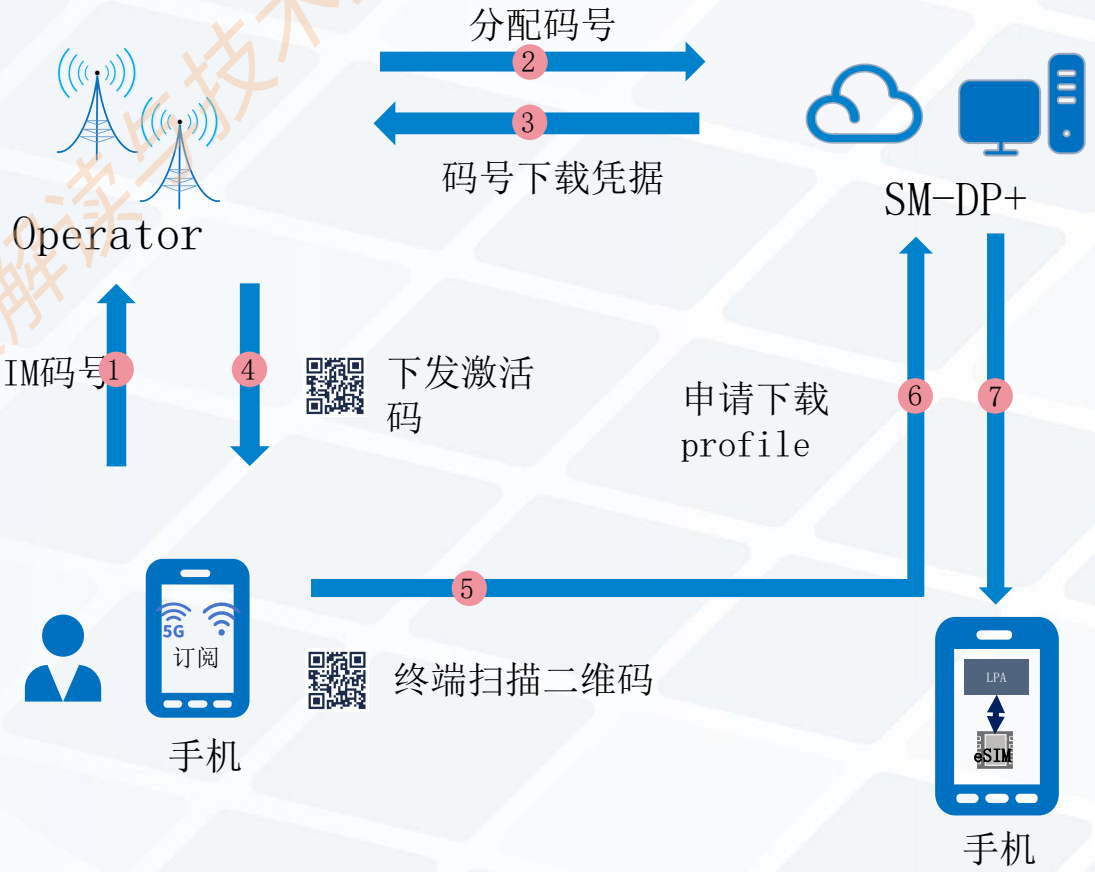
eSIM 重塑产业链

华大电子

eSIM个人化



码号下载



eSIM 安全威胁

华大电子

01

eSIM(Java)

- CVE-2023-4363字节码验证器缺陷
- CVE-2023-24062 访问控制与权限提升
- CVE-2021-42137 Applet 逻辑漏洞
- CVE-2022-38449 OTA协议漏洞

02

LPA

- CVE-2020-27848 LPA实现中存在路径遍历和XML外部实体注入漏洞。
- CVE-2021-39792 LPA组件导出的接口未进行充分的权限检查。

03

手机操作系统

- CVE-2021-30351 权限绕过 恶意App可访问eSIM配置接口
- CVE-2020-0069 信息泄露 允许未经授权读取Subscription信息

04

基带芯片

- CVE-2022-21719 eSIM stack缓冲区溢出攻击者可触发eSIM处理模块溢出远程攻击 IoT/手机调制解调器
- CVE-2018-11976 eSIM越界写在处理eSIM指令时出现缓冲区漏洞可能执行任意代码

05

DP+

- CVE-2023-0797 RSP 平台 认证绕过RSP服务器身份验证不当，可能被伪造服务器注入恶意配置文件

eSIM相关资质认证情况

华大电子

eSA 认证产品

Customer	Product Name	Protection Profile Type	Evaluator	Issue Date	Certificate
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
CEC Huada Electronic Design Co., Ltd., of Changping District, Beijing P.R.C.	CIU98_G eUICC V1.0	Consumer PP (PP-0100/SGP.25)	SGS Brightsight	2025-07-04	GSMA-CB-CH-24RSP00162_01-Cert
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Eastcompeace Technology Co. Ltd	EPT 3352C	Consumer PP (PP-0100/SGP.25)	Applus+	2024-12-18	GSMA-CB-ED-23-RSP00163-01

SAS-UP 认证

Supplier	Site	Certification Scope				First certified*:	Valid to:	Certificate
		Generation of data for personalisation	Personalisation	Management of PKI certificates	Post personalisation packaging			
Giesecke+Devrient (Jiangxi) Technology Co., Ltd.	Nanchang, China	UICC, eUICC	W C E	✓	C	2007	Dec 2025	
Tongxin Microelectronics Co.,LTD.	Tangshan, China	eUICC²	W	✓	-	2023	Oct 2025	
Tongxin Microelectronics Co.,LTD.	Wuxi, China	eUICC²	W	✓	-	2026	Apr 2026	
Zhejiang Chipadvanced Technology Co., Ltd.	Jiaxing, China	eUICC	W E	✓	-	2025	Aug 2026	

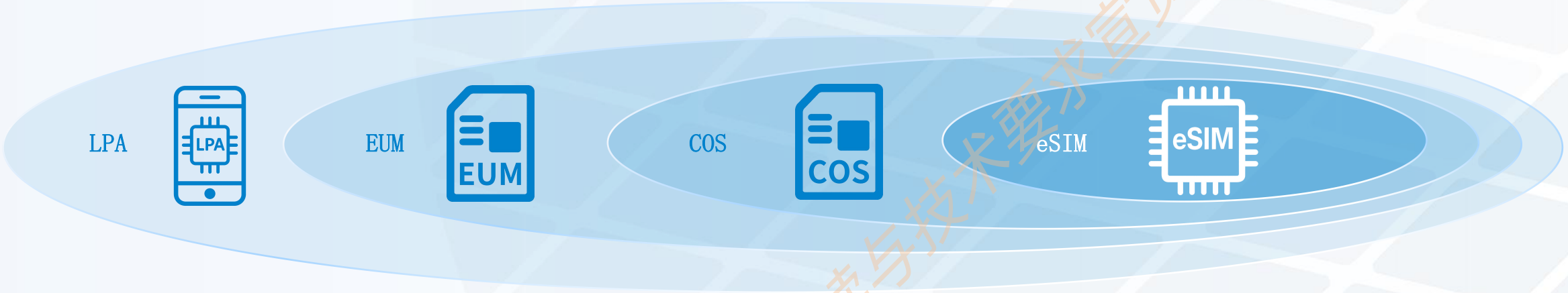
SAS-SM 认证站点（SM 提供商）

Supplier	Site	Scope of Certification					First certified*:	Valid to:	Certificate
		M2M (Secure Routing/Data Preparation)	Data Preparation+	Data Centre Operations & Management	Discovery Service	eIM			
Beijing Watchdata Co., Ltd.	Beijing, China	-	✓	✓	-	-	2023	Jun 2027	
Eastcompeace Technology Co., Ltd	Zhuhai, China	✓ ✓	✓ ✓	✓	✓ ✓	✓ ✓	2018	Mar 2026	
Hengbao Co., Ltd	Danyang, China	✓ ✓	✓ ✓	✓	✓ ✓	✓ ✓	2020	Sep 2026	
Ho&Bros Information Technology Co Ltd	Zhuhai, China	✓	✓	✓	-	✓	2025	Apr 2026	
Links Field Networks Ltd.	Shenzhen, China	-	✓ ✓	✓	-	✓	2021	Nov 2026	
Thales DIS (Shanghai) Co., Ltd.	Shanghai, China	✓	✓	✓	-	-	2018	Sep 2025	
Wuhan Tianyu Information Industry Co., Ltd.	Wuhan, China	✓	✓	✓	✓	-	2018	Nov 2025	
XH Smart Tech (China) Co., Ltd.	Zhuhai, China	✓	✓ ✓	✓	-	-	2022	Oct 2025	
Redtea Mobile PTE. LTD.	Amsterdam, Netherlands	-	✓ ✓	✓	-	✓	2021	Jun 2027	

图片来源：GSMA

开放灵活的商业模式 + 多元互补的产品矩阵

华大电子



消费级　工业级　车规级

CIU98N60/N70
GSMA eUICC, SGP21/22
Profile:10+
CC EAL6+/GSMA eSA
中国移动/中国联通/中国电信认证、NFC Forum

CIU98_G50
GSMA eUICC, SGP21/22
Profile:10+
CC EAL6+/GSMA eSA
中国移动/中国联通/中国电信认证、NFC Forum

CIU98_G26
GSMA eUICC, SGP21/22
Profile:4+
EAL4+/AEC-Q100 Grade 1/中国移动/中国联通/中国电信认证

CIU98_G25
GSMA eUICC, SGP21/22
Profile:4+
EAL4+/中国移动/中国联通/中国电信认证

CIU98_G01/G11
GSMA eUICC, SGP31/32
Profile:3+
CC EAL6+/GSMA 认证
AEC-Q100 Grade 2

eSIM 未来已来

华大电子

低碳环保

安全不断升级

PQC

多网络融合

市场挑战与应对

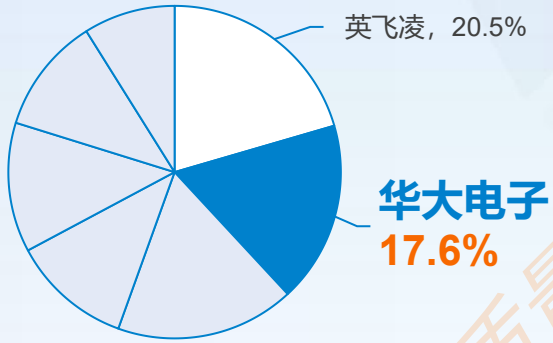
华大电子——中国安全芯片龙头企业

华大电子

SIM/eSIM

累计出货量＞200亿颗

全球智能卡芯片市场份额



- Source：ABI Research 2024

HED

00085.HK

TOP2

17.6% 全球市场份额

20 亿

接触式芯片出货量

260 亿

累计出货量

业务布局

华大电子

智能卡

移动安全

物联网安全

智能网联车安全

华大电子

做强安全芯片 · 赋能信息安全

DO BETTER SECURITY CHIP · EMPOWER INFORMATION SECURITY