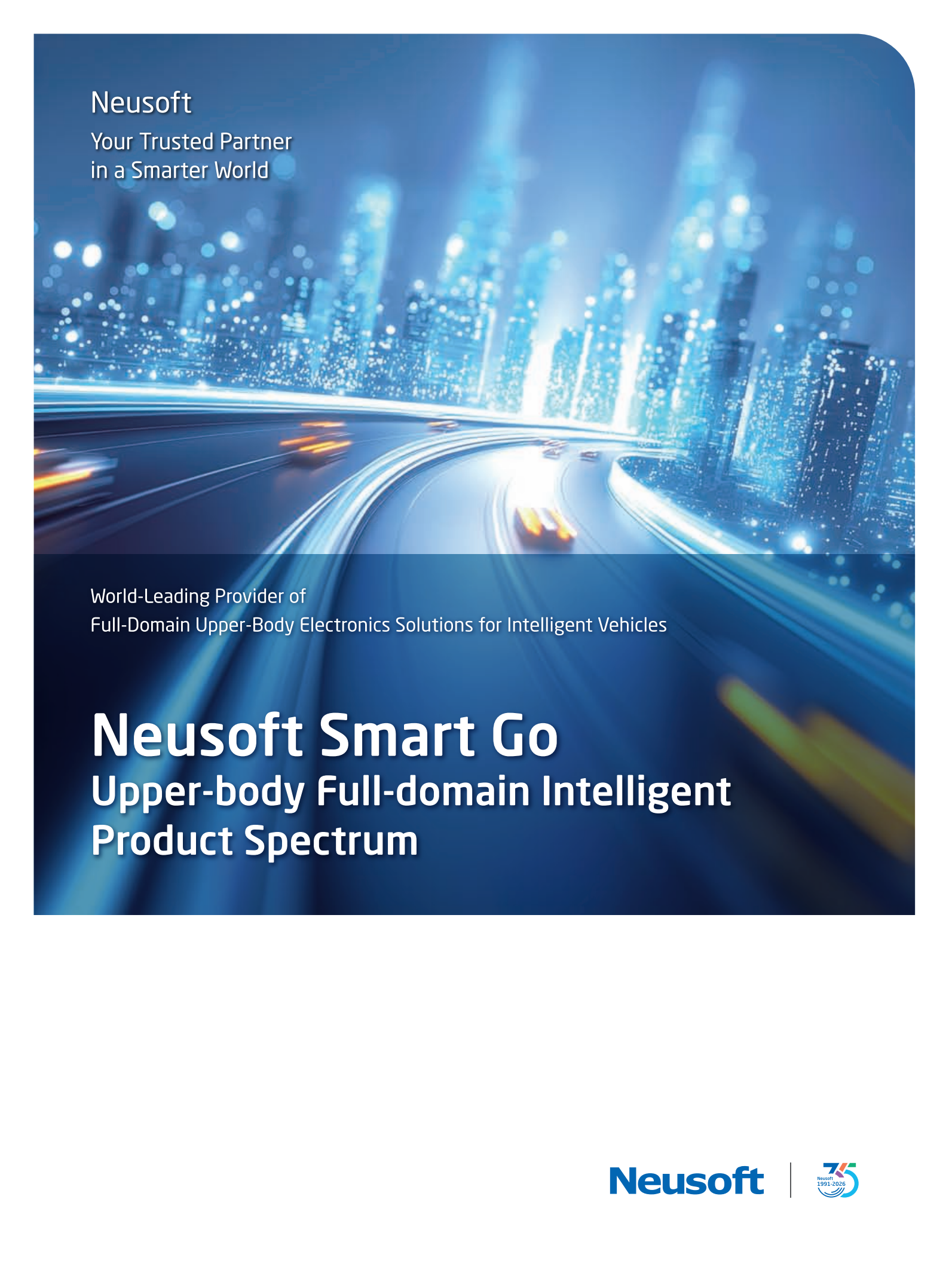




Neusoft

Your Trusted Partner
in a Smarter World

World-Leading Provider of
Full-Domain Upper-Body Electronics Solutions for Intelligent Vehicles

Neusoft Smart Go

Upper-body Full-domain Intelligent Product Spectrum

Neusoft



Neusoft Smart Go

World-Leading Provider of Full-Domain Upper-Body Electronics Solutions for Intelligent Vehicles

Covering the full-domain product matrix for the upper-body of intelligent vehicles, our product portfolio encompasses a complete range of automotive electronic products, including High Performance Computing (HPC), Autonomous and Cockpit Domain Controller(ACDC), intelligent Cockpits Domain Controller(CDC), intelligent Telematics Control Unit (TCU) , intelligent Sound System(SS), and Zonal Control Units (ZCU). Adopting a dual-track of "Frontier Premium Solutions + Mature Standardized products", we flexibly meet the mass production needs of vehicles across different regions and price segments globally.



Professional

Solid corporate strength and outstanding industry reputation



Reliable

Mass delivery experience of tens of millions of products



Full-Domain

Comprehensive Full-Domain Upper-Body Solution



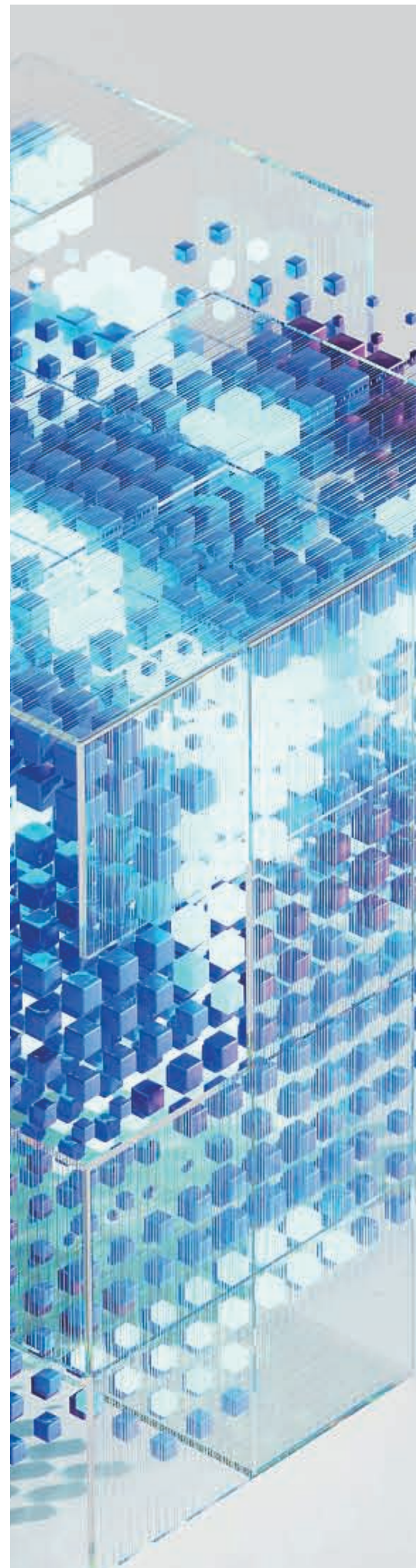
Global

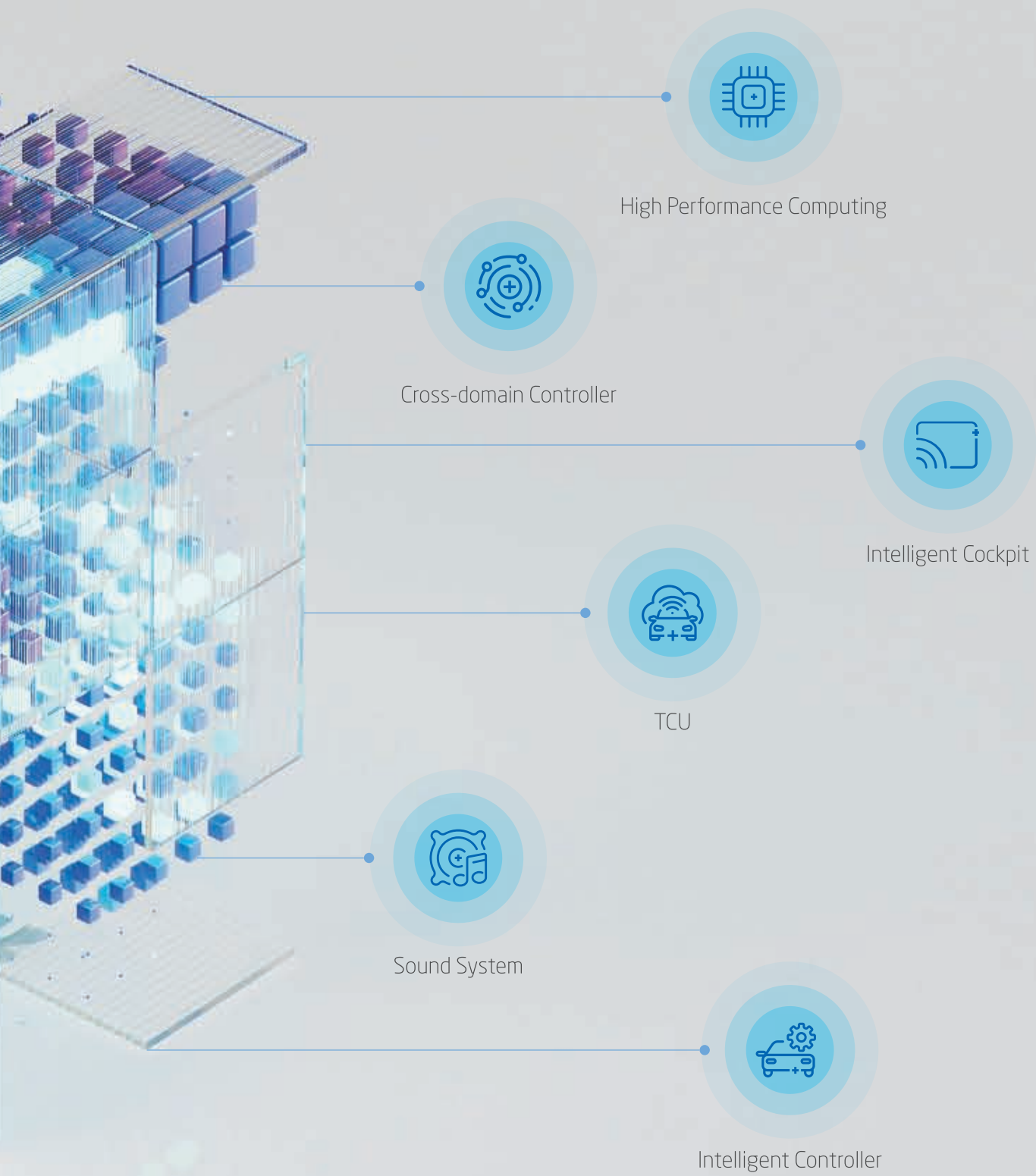
China-Efficiency + Global Delivery + Localized Services



Frontier

Advanced Architecture + Ecosystem Partners







Neusoft Smart Go

Neusoft Smart Go has deeply engaged in the automotive electronics industry for over 30 years, closely following the evolution trend of E/E architectures from distributed controllers to the Central Computing + Zonal Control (HPC+ZCU).

Focusing on full-domain upper-body electronics, we have established a core model of China-Efficiency + Global Delivery + Localized Services. We provide mass-producible and upgradable hardware and software integrated solutions for global OEMs, empowering intelligent evolution.

Full-Domain

Neusoft Smart Go builds an upper-body full-scenario product matrix, covering a complete portfolio of automotive electronic solutions including central computing platforms, integrated cockpit-driving-parking systems, smart cockpits, intelligent communication, smart audio and zone control units (ZCU).

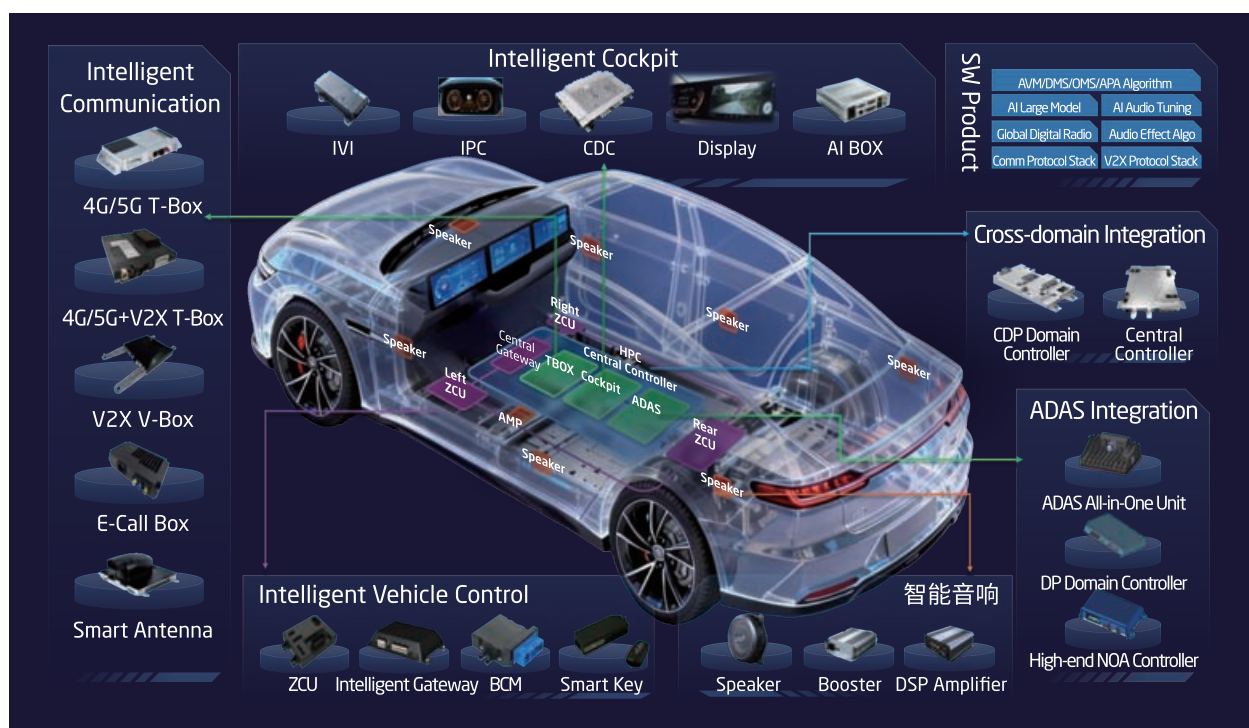
Dual-Track

Adopting a dual-track of “Frontier Premium Solutions + Mature Standardized products”, we flexibly meet the mass production needs of vehicles across different regions and price segments globally.



Neusoft Smart Go

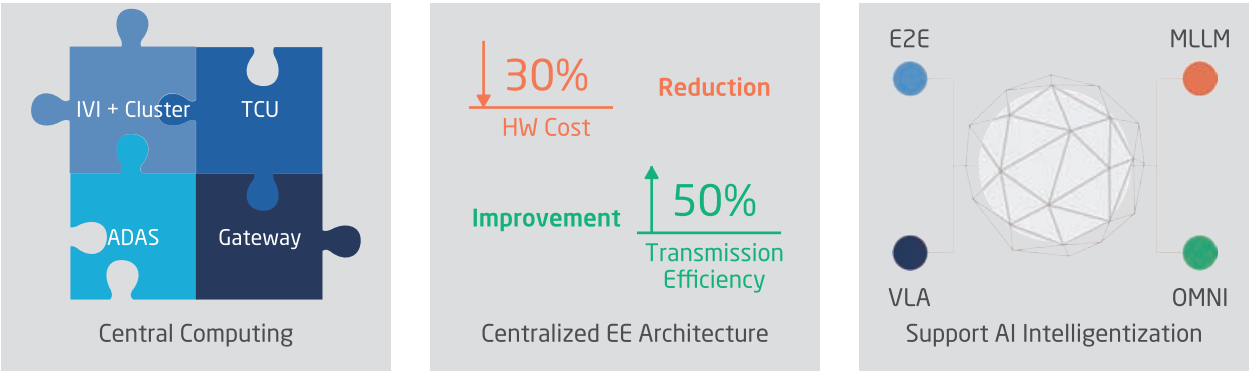
World-Leading Provider of Full-Domain Upper-Body Electronics Solutions for Intelligent Vehicles



Central Computing · Cross-Domain Integrate: A³ Cockpit-Parking-Driving Integrated Product

One Chip Solution: pioneering the new era of all-domain integration

Neusoft A³ integrated cockpit-driving-parking product adopts virtualization technology to integrate full upper-body domains including cockpit, intelligent driving, communication and vehicle control, building a new-generation central computing architecture and enabling full-domain intelligence. Equipped with 4B/7B edge-side AI large models, it collaborates with ecosystem partners to deliver intelligent and multimodal cockpit interaction. By integrating E2E and VLA intelligent driving models, it delivers a full-scenario and high-safety intelligent driving experience.



$$A^3 = \text{ADAS} \times \text{AI Powered} \times \text{All-in-One}$$

	A3-Mid	A3-Pro
SoC	SA8775	SA8797
CPU	230KDMIPS	80SpecInt 2k17
GPU	1.3 TFLOPS	8.1 TFLOPS
NPU	72 TOPS	160/320 TOPS
Feature	Cluster + IVI + ADAS (L2+)	Cluster + IVI + ADAS (L3) + TCU + Gateway
Sensors	7V3R or Upper	11V5R1L or Upper
Cockpit	MLLM	OMNI
ADAS	E2E+Transformer	VLA

Intelligent Cockpit

Software as Foundation, Hardware as Core, AI as Soul, Jointly Embark on a New Era of Intelligent Cockpits

Neusoft Automotive Electronics starts with software and has deeply cultivated hardware development for 15 years, delivering over 130 vehicle models and tens of millions of mass-produced products to the global market. Facing the AI era, Neusoft collaborates with partners to provide cockpit product platforms featuring high reusability (platformization), high flexibility (functional combination) and high maturity (mass production experience). By integrating edge-side AI large models and abundant ecological applications, we empower global automakers in their intelligent transformation.

IVI System

Neusoft infotainment system products represent the first mass-produced Android-based infotainment solution in China. Backed by tens of millions of shipments, they deliver highly reliable performance. The system supports diversified hardware configurations and enables seamless integration with instruments, 4G communication and other modules, delivering remarkable cost advantages.

Cost-effective		High Maturity		High Reusability
SoC	MTK 2712	MTK 8666	Unisoc 7870	
CPU	7-22K DMIPS	65K DMIPS	70-93K DMIPS	
GPU	102 GFLOPS	88 GFLOPS	360-486 GFLOPS	
Certification	Automotive Grade	Consumer Grade	Automotive Grade	
搭载功能	IVI	IVI + 4G	IVI + Cluster	

Cockpit Domain Controller (CDC)

Neusoft smart cockpit domain controller integrates full-cockpit capabilities including central control, instrument cluster, in-vehicle communication and DMS. It supports multi-screen multi-touch and cross-screen interconnection & content flow, equipped with a rich in-vehicle ecosystem, accurately meeting the mass-production cockpit requirements of mainstream automotive OEMs.

Highly Integrated		Multi-screen Collaboration		Comprehensive Ecosystem	
SoC	Qualcomm 8155	MTK 8675	MTK 8676	MTK 8668	SemiDrive X9HP/SP
CPU	100K DMIPS	120K DMIPS	170K DMIPS	120K DMIPS	50K-100 DMIPS
GPU	1.0 TFLOPS	0.86 TFLOPS	1.8 TFLOPS	1.0 TFLOPS	0.3 TFLOPS
NPU	8 TOPS	2.8 TOPS	20 TOPS	10 TOPS	0.8-8 TOPS
Display	Up to 8	Up to 4	Up to 6	Up to 8	Up to 4
Features	Cockpit	Cockpit + 5G	Cockpit + 5G	Cockpit + 5G	Cockpit
FuSa	QM	QM	ASIL-B	QM	ASIL-B

Autonomous and Cockpit Domain Controller (ACDC)

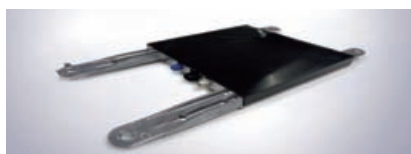
Neusoft intelligent cockpit domain controller deeply integrates full-cockpit intelligent capabilities, including central control, cluster, TCU and DMS. Relying on a high-computing hardware foundation, it empowers the intelligent upgrading of the cockpit with embedded AI large models. Combined with high-level intelligent driving algorithms, it enables diversified integrated solutions such as cockpit-parking and cockpit-driving-parking. Evolved from a dedicated cockpit domain controller, the product has fully upgraded into the core in-vehicle computing hub of the entire vehicle, supporting the collaborative iteration of full-domain cockpit systems.

Cross-Domain Integrated			High Performance			On-Board AI	
SoC	Qualcomm 8255	Qualcomm 8295	Qualcomm 8397	MTK 8678	MTK 2718	Qualcomm 8538	Qualcomm 8838
CPU	230K DMIPS	230K DMIPS	80SpecInt 2k17	280K DMIPS	280K DMIPS	200K DMIPS	300K DMIPS
GPU	1.3 TFLOPS	2.9 TFLOPS	8.1 TFLOPS	4.0 TFLOPS	4.0 TFLOPS	2.0 TFLOP	2.0 TFLOP
NPU	48 TOPS	46 TOPS	320 TOPS	40 TOPS	40 TOPS	40 TOPS	60 TOPS
Display	Up to 12	Up to 12	Up to 16	Up to 8	Up to 8	Up to 4	Up to 5
Features	Cockpit + ADAS	Cockpit + ADAS	Cockpit	Cockpit + 5G + ADAS	Cockpit + ADAS	Cockpit + 5G	Cockpit + 5G
FuSa	ASIL-B	ASIL-B	ASIL-B	ASIL-B	ASIL-B	-	-
Cockpit AI	MLLM 3B	MLLM 3B	OMNI 7B	-	-	MLLM 3B	MLLM 3B
ADAS	APA	L2+APA	-	APA	APA	-	-

TCU

Ranked No.1 among T-BOX Chinese suppliers for five consecutive years

Neusoft Smart Go ranks second globally and first in the T-Box China market with a market share of 11.5%. The products have achieved comprehensive upgrades from 4G to 5G/V2X and fully domestic solutions. Equipped with the self-developed VeTalk V2X protocol stack, they integrate core capabilities including in-vehicle security, FOTA, digital keys and Gigabit Ethernet, enabling converged applications of communication, computing and automotive cybersecurity. Backed by proven mass-production capabilities, the 5G/V2X BOX has been deployed on multiple mainstream models of Great Wall, Hongqi, Geely and other brands since 2021. In 2025, fully localized 4G/5G solutions were delivered in mass volume, while the brand-new flat antenna solution is being steadily implemented, fully empowering the intelligent and connected upgrade of complete vehicles.



4G/V2X T-BOX



5G T-BOX



5G V2X T-BOX

	4G		Rel-15 5G		Rel-16 5G		Rel-17 5G		
SoC	MDM9628	ASR 1806	SA515M	MT2735	SA522M	ZM9300	MT2737	SA525M	MT2739
CPU	2.3K	2.3K	2.8K	7.5K-15K	11K-22K	18K	11K-22K	11K-22K	12K-24K
RAM/ROM	4+2/4+4	4+2	8+8	8+8	8+8/8+16	8+8	8+8	8+8/16+16	8+8
Communication	4G	4G	5G	5G	5G	5G	5G	5G	5G
DL Speed	150 Mbps	150 Mbps	2.4 Gbps	3.9 Gbps	2.4 Gbps	4.6 Gbps	7.0 Gbps	4.4 Gbps	
UL Speed	50 Mbps	50 Mbps	550 Mbps	440 Mbps	550 Mbps	2.5 Gbps	2.5 Gbps	900 Mbps	2.5 Gbps
Positioning	L1	L1	L1+L5	L1+L5	L1+L5	L1+L5	L1+L5	L1+L5	L1+L5

Intelligent Sound System

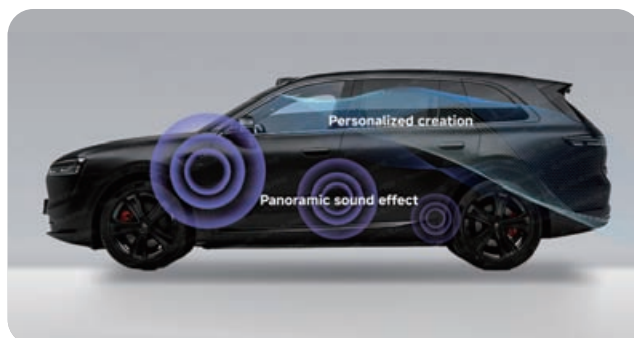
Neusoft and ALAP have maintained a 35-year in-depth strategic partnership. Leveraging ALAP's profound expertise and long-term dedication in the automotive audio industry, the two parties jointly deliver high-quality audio-visual solutions for the market, including automotive audio processors, amplifiers, speakers, subwoofers, RES displays and other related products.

SoC		DSP AMP		Booster AMP		
Series	Tone	Harmonics	Harmonics	Tone	Harmonics	Harmonics
I/F	CAN/CAN_FD A2B 16CH Output	CAN / CAN_FD A2B 20CH Output	CAN / CAN_FD A2B 24CH Output	A2B 4CH Output	A2B 12CH Output	A2B 16CH Output
Input	A2B*1 (Slave)	A2B*2 (Slave*1 + Master*1) Analog Mic	A2B*3 (Slave*1 + Master*2) Analog Mic	A2B	A2B	A2B*3 A2B Analog Mic
Output	Class AB*8 (25W@4ohm) Class D*8 (75W@4ohm)	Class D*12 (25W@4ohm) Class D*8 (75W@4ohm)	Class D*16 (25W@4ohm) Class D*8 (120W@4ohm)	Class AB*4 (25W@4Ω)	Class AB*8 (25W@4Ω) Class D*4 (25W@4Ω)	Class D*16 (25W@4Ω)
KeyDevice	DSP1: Sigma 1466 DSP2: Sharc 21489 Class AB: TDA7803 Class D: TAS6424	DSP1:Griffin 21565 DSP2:Griffin 21565 Class D:TAS6424	DSP1:Griffin 21565 DSP2:Griffin 21565 DSP3:Griffin 21565 Class D:TAS6424 Class D:TAS6584	Class AB TDA7803	Class AB: TDA7803 Class D: TAS6424	Class D TAS6424
Feature	AIR Algorithmic Audio ENC	AIR Algorithmic Audio AST 3D MX ENC/RNC	AIR Algorithmic Audio AST 3D MX Immersive Live ENC/RNC Or others (Ex: ZoneSound/ICC...)	-	-	-

In-cabin Audio Solution

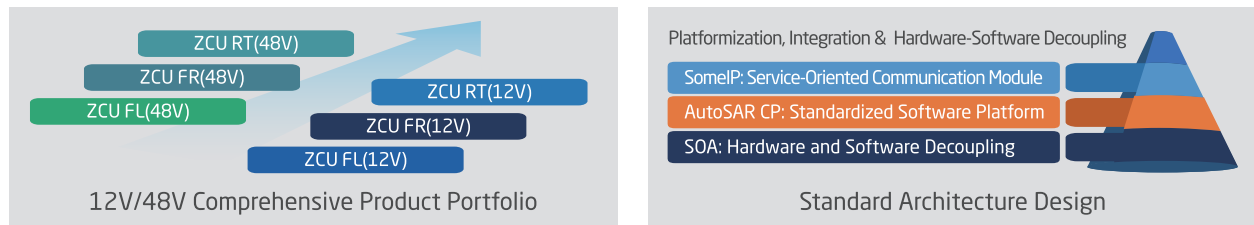
Leveraging ALAP's years of technical accumulation in audio domain algorithm research, Neusoft Smart Go collaborates with ALAP to provide software algorithm solutions for audio, functional, and noise reduction scenarios. These solutions can be flexibly integrated into mainstream SoC and DSP hardware platforms, creating an immersive panoramic sound field and reshaping the in-car immersive audio-visual experience.

- **SoftAMP development and design with flexible integration of software algorithms**
 - Qualcomm platforms: SA8797, SA8255, etc.
 - Domestic chip platforms
- **Vehicle-wide tuning services, paired with intelligent and high-efficiency tuning tools**
- **Self-developed audio algorithms**
 - Spatial, immersive and panoramic sound effect algorithms
 - Active noise reduction algorithms (including ENC / RNC)
 - Functional algorithms to enable personalized AI Sound customization



Zonal Control Unit (ZCU)

As the automotive E/E architecture continues to evolve, the Zonal Control Unit (ZCU) has emerged as a core carrier. By consolidating distributed ECUs and centrally managing vehicle systems by zone and function, it reshapes the overall vehicle electronic architecture. Focused on the development trend of central computing + zone control, Neusoft Smart Go offers a comprehensive 12V/48V ZCU product portfolio with full-range body control functions integrated. Leveraging the interconnection capability of Ethernet ring networks, it connects central computing and cross-domain controllers to deliver a high-performance, integrated upper-body full-domain solution.



Functions

Domain	Features	ZCU-FL	ZCU-FR	ZCU-RT
Vehicle Body Domain	Intelligent Power Distribution, Current Parameter Management, Protection Management, State of Charge...	√	√	-
Power Management	HVAC motor control, air volume, temperature, air distribution, blower...	√	√	√
Air Conditioner	Internal Lighting, Position Lamp, High Beam, Low Beam, Hazard Warning Lamp...	√	√	-
Lighting	Seat Switch, Seat Motor, Occupant Detection, Configuration Management...	√	√	-
Seat	Window control, exterior mirror position control, anti-glare rearview mirror...	√	√	-
Window	Slave node power supply management, door switch diagnosis, steering wheel switch diagnosis...	√	√	-
User Input	Gear control, accelerator pedal request, brake management, motor torque...	√	√	-
Drive Subsystem	Charging socket, charging indicator light, AC charging control, DC/DC conversion...	√	-	-
Charge Control	HVES related signal collection and forwarding, HVES signal processing	√	-	-
High-Voltage Electrical System	Coolant fan/sensor, refrigerant pressure & temperature, thermal management system...	√	-	-
Thermal Management	Front active roll control, Rear active roll control...	√	√	-
Suspension Control	HD matrix headlight control, lighting management...	-	-	√
HD headlights	Ethernet, CANFD, LIN data conversion, firewall, intrusion detection...	√	√	-
Gateway	Time synchronization, volume control, media clock, support for AVTP (1722) protocol	(Central)	(Zonal)	(Zonal)
Audio	Network management, storage management, functional safety, cybersecurity, OTA update...	√	√	√
Basic Software	Hood, doors, door handles, central locking, wipers, charging port cover...	√	√	√

The Magic of Software

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