

China's automotive chip race: From dependency to domestic innovation

For
reference:

CHINESE ADAS CHIPS



BLACK
SESAME
TECHNOLOGIES



Horizon
Robotics



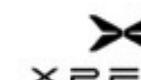
NIO



HISILICON



Siengine

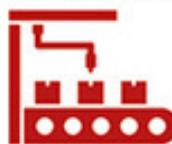


XPENG



NVIDIA.

MASS PRODUCTION



Huashan
A1000Pro

106
TOPS

Journey 5

128
TOPS

Shenji
NX9031

1016
TOPS

Ascend
610

512
TOPS

DRIVE
Orin-X*

254
TOPS

ROLL-OUT PHASE



Journey 6P

560
TOPS

Turing

750
TOPS

LATE DEVELO- MENT PHASE



Huashan
A2000Pro

250
TOPS

AD1000

512
TOPS

TOPS (Tera Operations Per Second): AI-chip processing power measurement

*Commonly used ADAS chip for reference

Weekly Facts & Figures.

- **Automotive chips:** Nio, Xpeng, BYD, and Li Auto are developing in-house ADAS SoCs.
- **Semiconductor policy:** Beijing boosts chip self-sufficiency with state funding and incentives.
- **Market shift:** U.S. export controls accelerate China's pivot to domestic chipmaking.

What This Means.

"Export restrictions have turned chip design into a strategic necessity. China's EV leaders are now building the brains behind their vehicles, not just the bodies."



Mirko Zumholz
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Start the conversation.



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