Weight and Size Reduction	Added Value	Improvement in Vehicle Assembly	Part Number Reduction

C Connected	A Autonomous
S Shared	E Electrification

In-vehicle Router

Function

▌ External wireless data communication function

▌ Internal wireless data communication function

▌ Automotive Ethernet function

▌ Security function

Feature

▌ Utilize Wi-Fi communication while on the road

▌ Install each wireless communication function
(TEL, V2X(DSRC), GPS, Wi-Fi, Bluetooth, BLE, NFC)

▌ Install virtual network function (SDN)

Performance/Specification

Function

Wireless Communication	Each wireless communication works at the same time
Communication Control	Wi-Fi communication while on the road
	Monitoring wireless communication
	Exchange protocol
Security	SDN network control

Specification

External Wireless Communication	4G(LTE、e-Call)、Wi-Fi、V2X、GPS
Internal Wireless Communication	Wi-Fi、Bluetooth、BLE、NFC
Internal Communication	CAN、Ethernet(1000BASE-T1)

Wireless Analog Signal — Wired network Digital Signal — In-vehicle Router

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