ISSI in IoT Applications

Vertical	Description	Flash			DRAM		SRAM	Application Examples
		SPI	NAND	eMMC	High Speed DRAM	LPDRAM		
Cities Evolved	Smart City, Smart Building, Smart Home, Smart Lighting	☑	☑	☑	☑	☑	☑	Thermostat, Security camera, LED lightbulbs, wireless gateways (Zigbee/zwave), WiFi thermostats, Building control/monitor
Industrial Evolved	Smart Factory, Machine Automation	☑	☑	☑	☑		☑	Control panel, Computer vision, Robotics, PLCs
Retail Evolved	Smart Retail, Smart Supply Chain, Smart Fast Food	☑	☑	☑		☑	☑	Kiosk, Theft Alarm, Updateable price tags (LCD screen), POS machines, Inventory tracking
Medical Evolved	Smart Healthcare, Smart Operating Room	☑	☑	☑	☑	☑	☑	Glucose meter, Pillow speaker, wireless medical devices, chemical/medical testing, hospital equipment
Environmental Evolved	Remote sensing	☑			☑		☑	Monitoring equipment, hydro sensors, ph monitors, atmosphere/space satellites
Agriculture Evolved	Smart Farming, Intelligent Food Supply	☑	☑	☑		☑	☑	LED grow light, Hydroponics, GPS, Crop/produce tracking
Transportation Evolved	Fleet Management, Automated Automotive	☑		☑	☑	☑	☑	Telematics, Cabin lighting, Data logging, Driver Assistance, Autonomous, V2V

DRAM

SDRAM
SDR, DDR,
DDR2, DDR3, DDR4

RLDRAM®
RLDRAM®2
RLDRAM®3

Mobile
LP SDRAM,
LPDDR, LPDDR2
LPDDR4/4X

MCPs
LPDDR2 +
Serial NOR Flash

Legacy DRAM
EDO/FP

SRAM

Legacy SRAMs
64Kb-8Mb, 5V

High Speed/Low
Power Async SRAM
Up to 32Mb

Serial SRAMs
512Kb-4Mb

Pseudo SRAMs/
HyperRAM™
8Mb-128Mb

High-Performance
Sync/QUAD SRAMs
2Mb-72Mb

FLASH

SPI/QSPI (Serial NOR)
256Kb-1Gb

Serial SLC NAND
1Gb-8Gb

HyperFlash™
128Mb-512Mb

SLC NAND
1Gb-8Gb

eMMC
4GB-64GB

Your Partner for the Long Drive