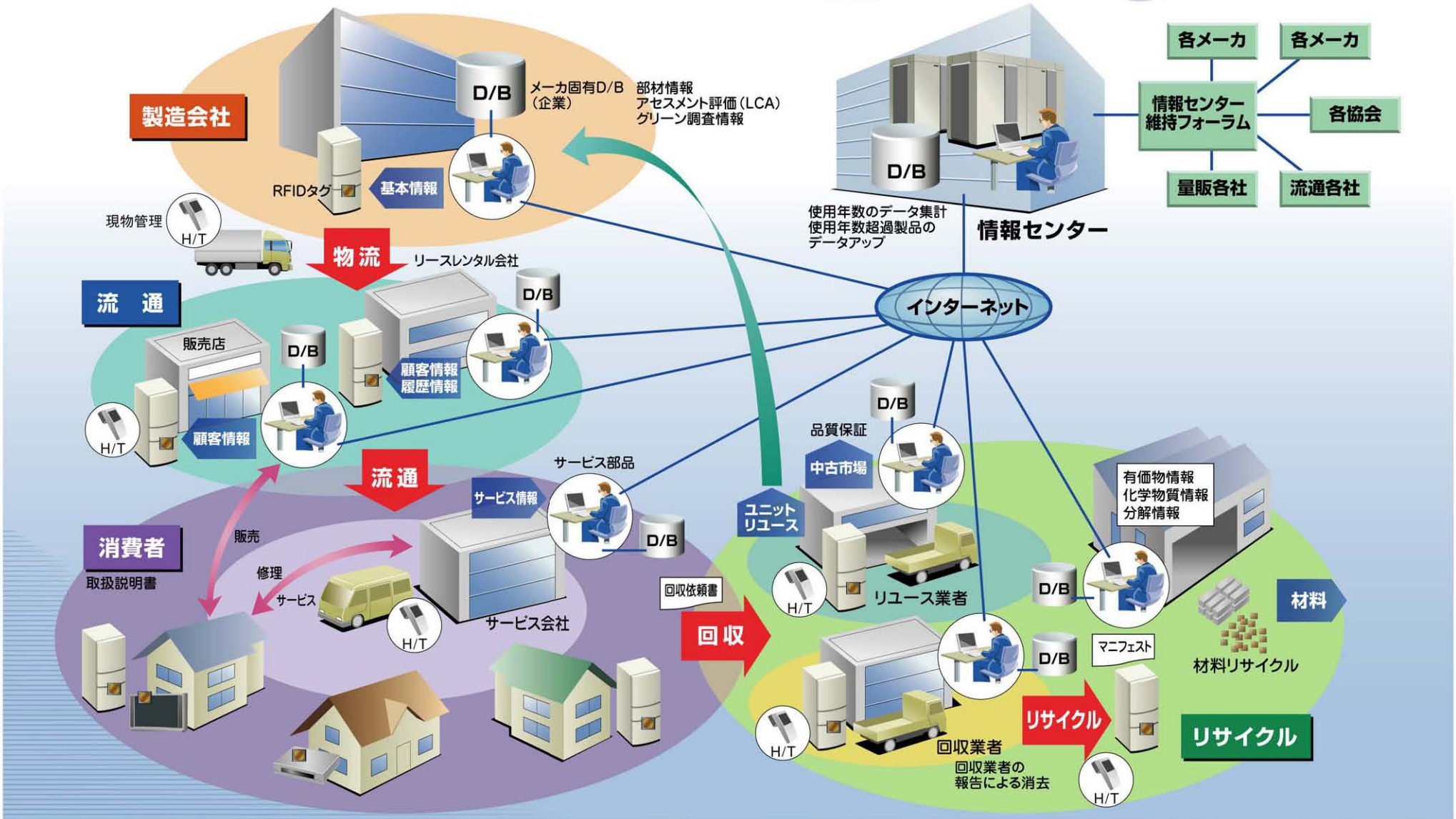
Traceability management system

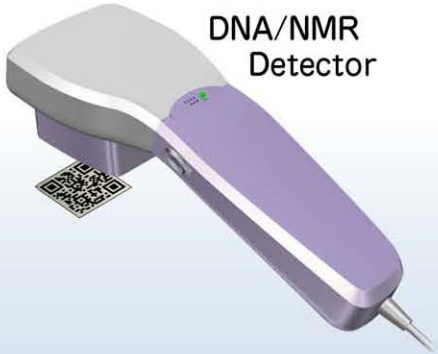


DNA/NMR Product Certification System

Secured Logistics System

Marking or printing using DNA/NMR ink

Marking or printing not using DNA/NMR ink



OK

Production ID No.
Series
Manufacturer
Date of Manufacturing
Date of Shipping
・
Digital DNA Identifier

NG

ERROR

ERROR

Secured Logistics System

Manufacturing

Marking or printing of each products using DNA/NMR ink

Logistics

Information storage on Computer

Store

Each product can easily check

DNA Product Certification System

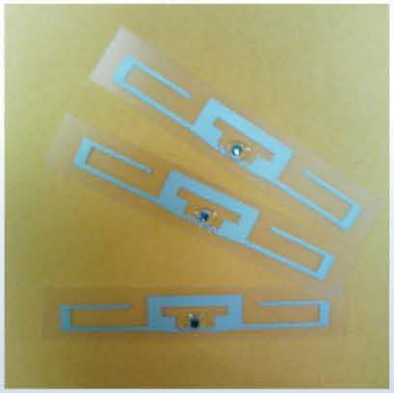
Information sharing on DNA Product Certification System

Computer in Center

Information sharing via Internet

Computer in store

2.45GHz Dipole Tag



Specifications

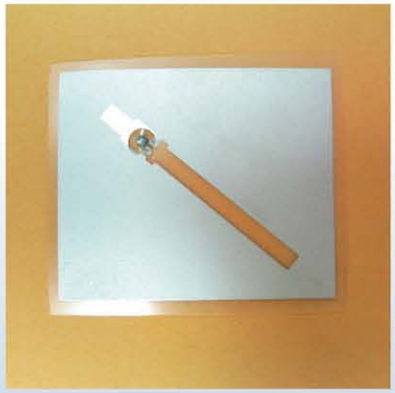
Part#	200232
RF Characteristics	ISM band(no license required),2401-2475 MHz;Passive;RF Backscatter
Read Distance	Nominal 50.8 cm(20 in)*--FCC Part 15 Scanner (36 dBm EIRP)
Write Distance	Nominal 18 cm(7 in)*--FCC Part 15 Scanner (36 dBm EIRP)

Average Read/Write Times(single tag read)	**Read**	**Write**
1 word (32 bits)	6 ms	75ms
Subsequent words (ea.)	3 ms	

Memory	Unique Serial Number--64 bits(Locked) User Programmable--960 bits EEPROM
Physical Characteristics	Flexible Substrate Length: 9.02 cm(1.85 in) Width: 1 cm(.4 in) Thickness: .076 cm(.030 in)
Operating Temp	-20 to +75C (-4 to 167F)
Storage Temp	-30 to +90C (-22 to 194F)

*Obstructing metals, other conducting materials and label orientation may Significantly affect read and write distance measured using linear polarized antenna.

2.45GHz Slot Tag



Specifications

Part#	200278
RF Characteristics	ISM band(no license required),2401-2475 MHz;Passive;RF Backscatter
Read Distance	Nominal 70 cm(24 in)*--FCC Part 15 Scanner (36 dBm EIRP)
Write Distance	Nominal 20 cm(8 in)*--FCC Part 15 Scanner (36 dBm EIRP)

Average Read/Write Times(single tag read)	**Read**	**Write**
1 word (32 bits)	6 ms	75ms
Subsequent words (ea.)	3 ms	

Memory	Unique Serial Number--64 bits(Locked) User Programmable960 bits EEPROM
Physical Characteristics	Flexible Substrate Length: 3.80 cm(1.50 in) Width: 3.18 cm(1.25 in) Thickness: .076 cm(.030 in)
Operating Temp	-20 to +75C (-4 to 167F)
Storage Temp	-30 to +90C (-22 to 194F)

*Obstructing metals, other conducting materials and label orientation may Significantly affect read and write distance measured using linear polarized antenna.