

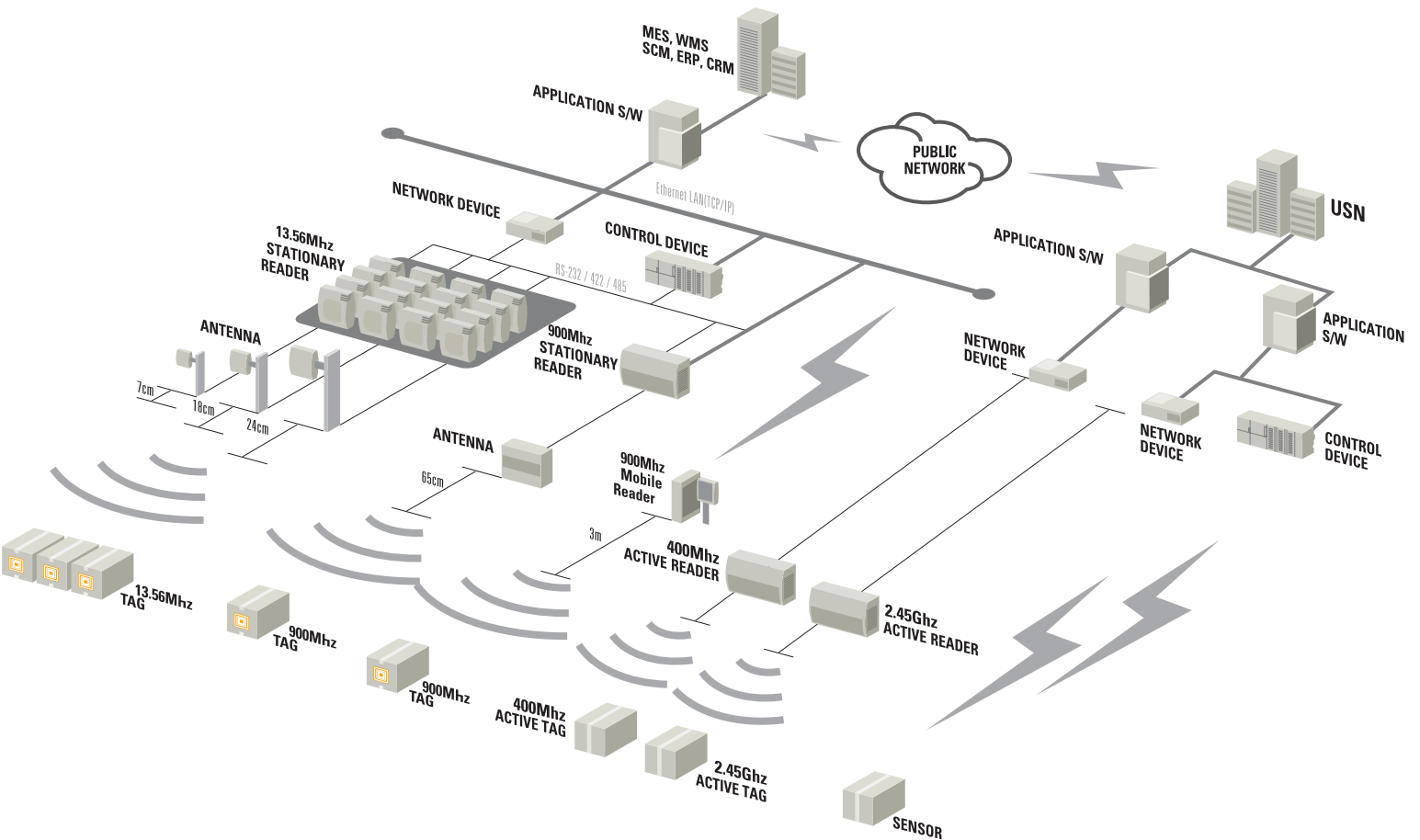


U B I Q U I T O U S S O L U T I O N

RFID/USN

XCODE - System Architecture

XCODE is a total solution that provides not only RFID tags, readers, sensors, networks, control devices, but also various integrated systems.



XCODE - System Components

		RFID			USN	
SENSING DEVICE		Passive Tag (RF 13.56Mhz Band)	Passive Tag (RF 900Mhz Band)	Active Tag (RF 400Mhz Band)	Active Tag (RF 2.45Ghz Band)	Various Sensor
		Antenna(Outside or Inside)				
NETWORK DEVICE & CONTROL DEVICE	NETWORK	Passive Reader (RF 13.56Mhz Band)	Passive Reader (RF 900Mhz Band)	Active Reader (RF 400Mhz Band)	Active Reader (RF 2.45Ghz Band)	
	CONTROL	Repeater/Router/Concentrator RTU(Remote Terminal Unit) Protocol Converter, Concentrator				
Software Middleware System Integration		PLC(Programmable Logic Controller)				
		Application S/W M/W(RFID, RTLS, USN) MES, WMS, SCM, ERP, CRM				



XCODE - Product

Major Passive RFID Products

※ 태그 별도 표시



13.56 MHz Band Reader

- Model : IH1306 (built-in antenna) / IH1307
- Feature :
Excellent sensing performance in various environments
ISO 15693 support
Connection up to 16 units with RS-422, 485
Lock function
3 active modes support
(Scan Mode, Master Mode, and Buffer Mode)
RF Power 20dBm
- Dimension : 112.5 x 112.5 x 41 (mm)



13.56 MHz Band Antenna

- Model : IH1301 / IH1302 / IH1303
- Feature :
External installation
Proximity sensing
Various sizes



900 MHz Band High Performance Reader

- Model : IU9003 / IU9005
- Feature :
MIC, TTA, EPC Global Certified
Multiprocessor
(Excellent sensing speed and rate)
Dense Reader Mode support
Tag moving direction sensing
LED Alert function Linux-based OS
Remote monitoring function RF Power 30dBm
- Dimension : 112.5 x 112.5 x 41 (mm)



900 MHz Band Affordable Price Reader

- Model : IU9004
- Feature :
KCC Certified, EPC Global Standard
Dense Reader Mode support
LED Alert function
Remote monitoring function
RF Power 32dBm
- Dimension : 190 x 137 x 70 (mm)



900 MHz Band External Antenna

- Model : AU9003 / AU9007
- Feature :
External installation
Up to 5 m read distance
- Dimension :
AU9003: 330 x 330 x 25 (mm)
AU9007: 258 x 256 x 32 (mm)



900 MHz Band USB Type Reader

- Model : IU9011
- Feature :
KCC Certified, EPC Global Standard
USB type
Built-in antenna
Around 50 m read distance
RF Power 152dBm
- Dimension : 92 x 48 x 12 (mm)



900 MHz Band Handheld Reader

- Model : IU9060
- Feature :
KCC Certified, EPC Global Standard
Handheld type
PDA function
Bluetooth function
2D barcode function
- Dimension : 200 x 80 x 35 (mm)

Major Peripheral Devices



RFID Printer

- Model : XCODE-Printer
- Feature :
Frequency conversion
(13.56 MHz / 900 MHz Band)
Combination with barcode
Multi-OS (Windows, Linux) support
Metal Tag printing
Defective tag auto-check
- Dimension : 275 x 275 x 455 (mm)



RFID Data Assistant (POI)

- Model : XCODE-POI
- Feature :
Frequency conversion
(13.56 MHz / 900 MHz Band)
Combination with barcode
Touch screen type
Equipped with large capacity hard disk
Wall-hanging / Standing type
- Dimension : 390 x 565 x 70 (mm)



Major Passive RFID Products



400 MHz Band Reader

- Model : IH1301 / IH1302 / IH1303
- Feature :
 - Mesh network function
 - Read distance of 3 ~ 400 m
 - Remote monitoring function
 - Reading capacity of 600 tags/reader



400 MHz Band Tag

- Feature :
 - Communicating function among tags (Max. 15 steps)
 - Low power consumption
- Dimension : 85 x 40 x 15 (mm)



2.45 GHz Band Reader

- Model : RU2401S
- Feature :
 - Read distance of 100 m and farther
 - Omnidirectional antenna (Directional antenna)
 - Position tracking
 - Reading capacity of 300 tags/reader



2.45 GHz Band Tag

- Model : TU2401
- Feature :
 - Small size, lightweight
 - Position tracking, emergency call, LED On/Off
 - Low power consumption (Last for 6 months on 1hr/1day basis)
- Dimension : 85 x 42 x 19 (mm)

Major Passive RFID Products (Tags)

13.56 MHz Band Tag

Model	95030004	95030005	95030006	95040001	95040002	95040003
Tag						
Size	75×45(mm)	45×45(mm)	30×20(mm)	30×30(mm)	35×35(mm)	75×45(mm)
Chip	LR12K	LR12K	LR12K	I-Code SLI	I-Code SLI	I-Code SLI
Frequency	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz	13.56Mhz
Application	Security / Process	Security / Process	Security / Process	Security / Process	Security / Process	Security / Process

900 MHz Band Tag

Model	95000018	95000030	95000042	95000043/65/66	95000067	95000056
Tag						
Size (Antenna)	71.4×20(mm)	32×18(mm)	95×15(mm)	90×14(mm)	31×31(mm)	95×3(mm)
Chip	XRAG2	Monza3	Monza2	Monza3/G2XL/G2XM	U-Code G2	Monza3
Frequency	900Mhz	900Mhz	900Mhz	900Mhz	900Mhz	900Mhz
Application	Ministry of Environment	General/Pharmaceutical/Clothing	Air Baggage	General	CD/DVDs	Books

Model	95000058	95000064	95000080	95000088	95000089	95000090
Tag						
Size (Antenna)	164×3(mm)	17×8(mm)	94×24(mm)	80×30(mm)	94×16(mm)	92×16(mm)
Chip	Monza3	Monza3	Higg3	Monza3	Monza3	Monza3
Frequency	900Mhz	900Mhz	900Mhz	900Mhz	900Mhz	900Mhz
Application	Books	Pharmaceutical	General/Public Procurement Service	General	General	General

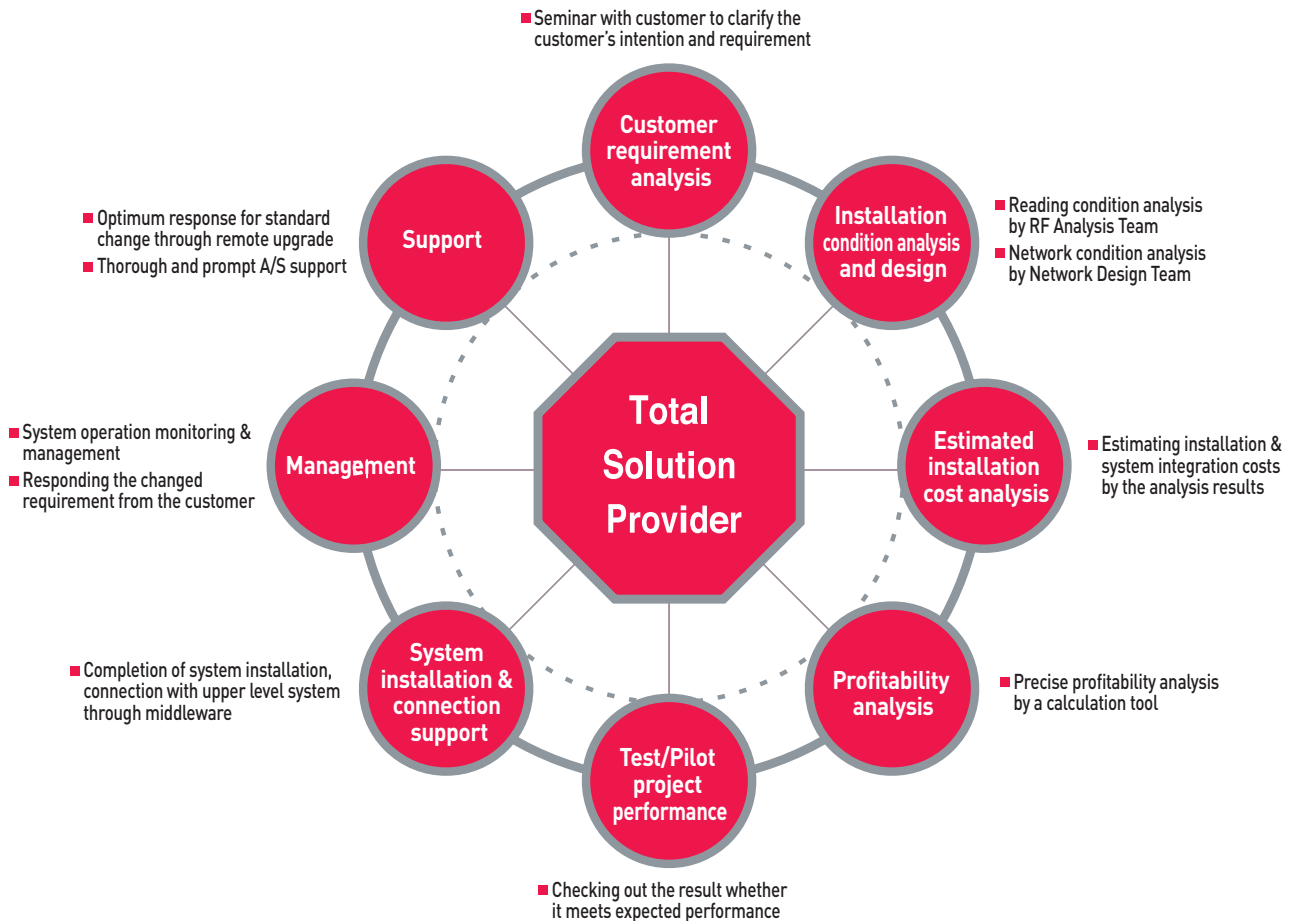


TOTAL SOLUTION PROVIDER

LS INDUSTRIAL SYSTEMS

Customer can determine the feasibility to introduce RFID/USN Solution based on the definite technology.

From grasping the customer's requirement to the installation condition, profitability analysis, and thorough and prompt A/S, you can now rely on LS Industrial Systems.



U B I Q U I T O U S S O L U T I O N

RFID/USN **XCODE™**

W O N D E R F U L U B I Q U I T O U S W O R L D