FURUNO
Business Fields II

Industrial Business

FURUNO products are at work in many areas of daily life.

Based on technology developed for marine electronic equipment, FURUNO provides products and services for use in social infrastructures and automobiles, including products and services for positioning, navigation, and timing, as well as medical equipment and wireless LAN systems. Our goal is to achieve better safety, security, and comfort to bring about a society that considers the needs of people and the environment.

Infrastructure / Meteorological Monitoring

Meteorological Monitoring and Analyzing System

As an application of small marine radar, we offer compact, low-cost weather radar, which can be installed at multiple locations. The system observes rain clouds, predicts sudden localized heavy downpours, and helps to mitigate damage due to regional disasters.

Infrastructure / Meteorological Monitoring

GNSS Automatic Displacement Measurement System

These systems determine displacement of features such as the earth's crust, the ground and man-made structures by using GPS (GNSS) based precision positioning technology. They are used for tasks such as monitoring volcanic activity and landslides, as well as managing safety and determining impact on the surrounding area during construction of high-rise buildings.

Medical

Clinical Chemistry Analyzer

These analyzers automatically take precise measurements of enzymes, fats, sugars, proteins and other substances in the blood.

PNT

GPS (GNSS) Disciplined Oscillator

Receiving GNSS satellite signals, these devices generate a high-precision reference frequency and a 1-second pulse accurately synchronized with UTC (Coordinated Universal Time). They are utilized in mobile phone base stations and broadcast relay stations for terrestrial digital TV.

PNT

ETC, Vehicle Management Solution

Installed at a parking lot entrance, construction site entry gate or similar location, these systems enable exchange of vehicle information and other data with ETC systems. The result is smoother access, improved safety and enhanced security.

Medical

Ultrasound Bone Densitometer

Devices that measure bone density by applying ultrasound to the heel bone, enabling quick and safe screening.

PNT

Automotive ETC2.0/ETC System

These terminals allow for toll payment processing on toll roads without the need to bring the vehicle to a halt. Recently, applications have broadened to vehicle access control at parking lots and construction sites.

Wireless LAN

Wireless Handheld Terminal

These terminals are for central management of information and work support using a wireless LAN system. They make various kinds of work quicker and more efficient through real-time management of work status and product data at distribution warehouses, shopping centers, production sites and elsewhere.

Wireless LAN

Wireless LAN Access Point

These devices create an environment enabling wireless use of the Internet, at locations such as train stations, cafés and hotels. They allow connection to the Internet regardless of mobile carrier, resulting in growing demand at educational facilities, such as schools and private tutoring schools, as well as at hotels, tourist spots and other areas that attract tourists.

PNT

GPS (GNSS) Receiver

These high-precision position sensors can accurately pinpoint their current position anywhere on earth by receiving and processing signals from GPS (GNSS) satellites. These units are incorporated into automotive devices such as navigation systems, operation management terminals and car-to-car communication terminals. They are also used in mobile devices including mobile phones.

PNT

Multi-GNSS Disciplined Oscillator

This device receives GNSS satellite signals and provides highly accurate and stable time information and frequencies even in harsh GNSS reception environments. It is also applied in the latest mobile communication standard "5G", contributing to the improvement of social infrastructure.

(Model GF-8805)

(Model FNK-M100)

Automotive ETC2.0/ETC System*

This device allows vehicles to pass through places such as toll gates on toll roads without stopping. With GPS built-in, it can also supply information by voice to help drivers avoid traffic congestion and drive safely.

Vehicle Management Solutions*

The ETC on-board unit and the vehicle number authentication function automate the management of vehicle entry and exit. In addition, the system contributes to better efficiency and labor savings by visualizing vehicle locations and travel routes with dedicated onboard terminals.

FLOWVIS

For a safer and more convenient society

We focus on Positioning, Navigation and Time Synchronization, and provide products and services that are essential for social infrastructures, vehicle traffic, and other areas, adding creative value to the location and time of people, things, and mobility.

*Japanese market only

Healthcare

Clinical Chemistry Analyzer & Reagent

This analyzer contributes to early diagnosis and prevention of disease by measuring the composition of samples such as blood and urine. FURUNO provides small- to medium-sized analyzers and these product lines realize high-quality medical care while reducing the burden of introducing new equipment at healthcare facilities.
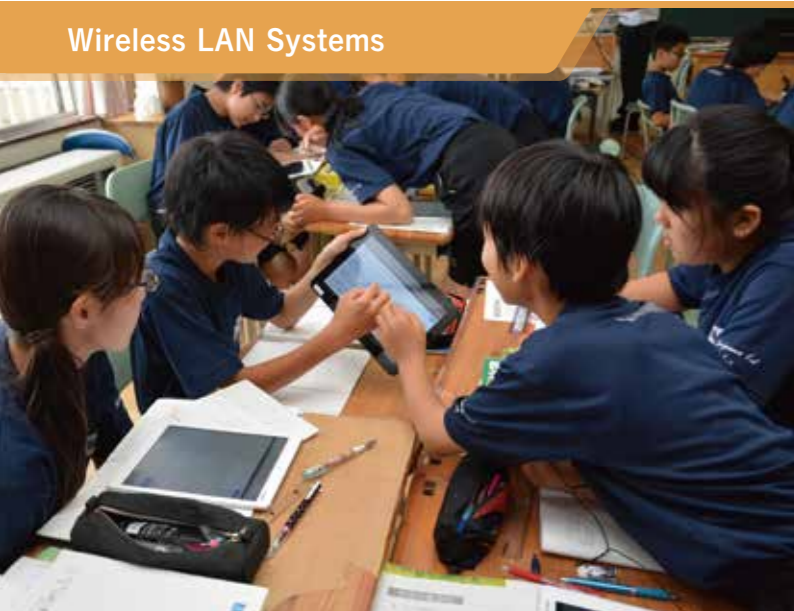
(Model CA-800)

(Model CM-300)

Ultrasound Bone Densitometer

This device measures bone density safely by using ultrasound. Measurement operation is simple and easy-to-use while the product itself has a compact and portable design. The device is best suited for osteoporosis screening tests and will contribute to early diagnosis of osteoporosis and reduction in medical costs.

For a support of healthy life

We are expanding our business into the healthcare field, especially medical care, and are providing products for the early prevention of disease and monitoring treatment, utilizing the sensing technology which we have cultivated in the maritime field. Our medical products contribute to people staying healthy by minimizing healthcare costs.

Wireless LAN Systems

ACERA
(ACERA 1210)

Wireless LAN Access Point*

Access points are devices that enable a wireless connection to the Internet regardless of the users' mobile carrier contract. They provide a pleasant Wi-Fi environment in companies, schools, and other types of locations.

finpad
(finpad 900f)

Wireless Handheld Terminal*

These mobile data terminals acquire data by scanning bar codes. The information gathered can then be managed centrally. They make various kinds of work faster and more efficient through the real-time management of product data at distribution warehouses, shopping centers, and other facilities.

Note : These products are handled by FURUNO SYSTEMS CO., LTD.

For greater comfort and safety in society

Using wireless technology, we provide wireless LAN access points and product management systems that enhance the convenience of Internet access. With "Comfortable Wireless", we aim to realize a connected and expanding society.

*Japanese market only

Infrastructure Maintenance / Management and Meteorological Monitoring and Analysing System

(DANA Model MG-100 series)

(Model WR2120/110)

GNSS Automatic Displacement Measurement System

This system monitors terrain displacement to help avoid danger from volcanic activity, landslides, dam/tunnel construction, and similar conditions, and ensures people's safety and security by mitigating disasters.

Meteorological Monitoring and Analyzing System

This system provides detailed analysis of the movement speed and tracks the development of cumulonimbus clouds. The compact and lightweight design is easy to install and useful in cities for flood control measures.

Wave Guide LAN System™*

A wireless LAN environment can be created by using single-pipe pipes used as scaffolding during building construction as waveguides. This provides a robust and comfortable communication environment throughout the building as construction progresses, and reduces the cost of installing and maintaining wireless LAN at construction sites.

For a safe, worry-free society

We are developing businesses globally that contribute to the maintenance of the environment in our daily lives by integrating the knowledge, experience, skills, and know-how we have cultivated in our business activities with technologies that "challenge the invisible" and FURUNO's core technologies of sensing, processing, and communication.

*Japanese market only