		PCN				
		Ordering code: DYPCN-10-20-XX				
)	(X	-00	-01			
COUNTING	Technology	Stereoscopic Image Capturing				
	Accuracy	98%				
	Precision	99%				
	Ethernet	1x 10/100Mbps	1x 10/100Mbps PoE Ethernet			
	USB	1x USB 1.1 Client (Service Panel) - Type B Mini				
I/O INTERFACES	Serial	1x RS-485 for Daisy Chain (on 12pin Female Circular Connector)				
_	Digital I/O	2x Insulated Digital Input, 1x Insulated Digital Output - on 12pin Female Circular Connectors				
OTHER -	LEDs	1x Power (Green), 1x System Status (Amber)				
	Buttons	1x Reset (Service Panel)				
POWER	Input	9 - 36VDC	Power Over Ethernet IEEE 802.3at Mode A (4 wires) Class 0 Compliant			
	Consumption	3.2W with Infrared Illuminators OFF, 7.8W with Infrared Illuminators 100% ON	3.5W with Infrared Illuminators OFF, 8.0W with Infrared Illuminators 100% ON			
ENVIRONMENT	Operating Temp	EN50155 Class T1 (Factory Option: EN50155 Class TX)				
CERTIFICATIONS	Compliance	Automotive E24: ECE ONU Reg.10 (in PoE Version: Designed to Meet) – Fire Protection: EN45545 EMC Emissions: EN5015 / EN50121 / EN55011 – EMC Immunity: EN50155 / EN50121 / EN61000 – Environmental: EN50155 – Vibrations & Shock EN50155 / EN61373				
	Ingress	IP65				
MECHANICAL	Enclosure	Sealed Magnesium Alloy Enclosure				
	Dimensions	Frame: 100x230x3mm (Height x Width x Thickness) – Cut-Out: from 82x209x42mm (Height x Width x Depth, frame at 0°) t 82x209x70mm (Height x Width x Depth, frame at 45°)				
	Weight	0.6Kg				

Thermal and Mask Unit			
TEMP. DETECTION	Range	Range: 35~42°C Precision:±0.1°C	
	Distance	10cm-50cm, optimal:10cm	
FACE DETECTION	Recognition Speed	<100ms	
	Live Detection Supported		
	Mask Detection	Supported	
VISUAL FEEDBACK	Screen	7" LCD	
POWER	Input	12VDC Nominal	
	Consumption	5W Typical	
ENVIRONMENT	Operating Temp	10°C ~50°C	

		Portal Portal
	Height	Total: 2400mm (Approx) - Internal Passage: 2340mm (Approx.)
DIMENSIONS	Width	Total (Portal): 1850mm (Approx) - Internal Passage: 1570mm (Approx.) - Including Base: 2210mm (Approx.)
J2.10.0110	Depth	Total (Portal): 220mm (Approx.) - Including Base: 740mm (Approx)
	Weight	140Kg (Approx)
MATERIAL	Structure	Metal

Signaling Signal			
ALARM	Туре	LED Bar	
ALARIVI	Color	Red/Green	

Battery Pack

Factory Option; Contact Us for more Information

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Modular Social Distancing Solution – Eurotech's answer to Social Distancing Requirements

BENEFITS

- ENABLES PANDEMIC CONTROL PROCEDURES & DISASTER PREVENTION
- REAL-TIME MONITORING
- EASY QUICK AND MODULAR INSTALLATION
- REAL-TIME INFORMATION AND SIGNALING ON-SITE
- STANDALONE OR MULTI-DEPLOYMENT
- AI DRIVEN INSIGHTS
- IT ENFORCES THE RESPECT OF SOCIAL DISTANCING RULES
- REMOTE DEVICE MAINTENANCE
 AND CONFIGURATION
- EASY INTEGRATION WITH
 DASHBOARDS AND SMARTPHONE
 APPS

APPLICATIONS











Introduction

Eurotech's Modular Social Distancing Solution is an integrated set of hardware and software components to enable safe access to areas where mass gatherings may occur.

Through the accurate and precise screening of specific key criteria, it is possible to guarantee the correct flowing of people in accordance with safety regulations.

The kit is suitable for indoor and outdoor deployments and consists of specialized modules that can be easily integrated in a complete system by the customer.

One key capability of the kit is to cross-map different parameters and process data in real-time, enabling the implementation of sophisticated detection schemes and providing metrics on usage. Data collected by the kit can be monitored and analyzed remotely thanks to the integration with a cloud platform.

monitored area.

Components

Main Kit



People Counter (DynaPCN 10-20) An accurate and precise automatic people counting sensor to count the number of entries and exits across the



Multi Service IoT Edge Gateway (ReliaGATE 10-12)

Provides the edge processing platform to manage the data collected by people counters, and cloud connectivity for remote device configuration and data integration with dashboards and applications.

Accessories



Power supplyA portable battery to power the kit components. The structure can alternatively be connected to the main power line.



Movable/Portable Options
The system can be mounted on a movable structure than can fit any customer reconfiguration needs.



Display with integrated thermal imaging camera

Provides real-time temperature detection and can provide a visual feedback. It integrates a thermal imaging camera that can detect abnormal face temperature and if the subject is wearing the mask.



Frontal and rear green and red led lights indicate if a person is allowed to enter a defined area, according to the number of people already in the area, the detection of a mask on the person's face or abnormal temperature.



Application Areas

The integrated solution proposed by Eurotech allows the flexibility to support different kinds of use cases. The kit can be easily placed in outdoor environments, such as concerts and sport events, or indoor environments, such as museums, cinemas, and theaters. Its hardware and software modularity maximizes the benefits for the system integrator, accelerating time to market and delivering significant savings.







Solution

The integrated solution proposed by Eurotech has the added value of intersecting the performance of the hardware modules of the kit with the benefits of the Everyware IoT Architecture. This integrated infrastructure allows the development of dedicated applications tailored to the specific event needs. Real-time data can be integrated into dashboards to allow device status monitoring and precise mapping of the collected parameters.



			Gatewa	ay				
			Ordering code: REG/	ATE-10-12-XX				
Х	X	-62	-63	-64	-65	-66	-67	
PROCESSOR	CPU			TI AM3352	IGHz, 1 Core			
MEMORY	RAM	1GB DDR3						
STORAGE	Embedded			8GB	eMMC			
	Other	1x microSD Slot (User Accessible)						
	Ethernet	2x 10/100Mbps - RJ45						
I/O INTERFACES	USB	3x Host 2.0 (Noise and Surge Protected) - Type A						
	Serial	1x RS-422/RS-485 protected and isolated, 1x RS-232/RS-485 (Surge Protected, RS-485 Termination and Fail-safe Resistors), 1x TTL Serial Console						
,, 0	CAN 2.0B	2x CAN bus with 5V (100mA) Power Out						
-	Digital I/O	2v Digit:	al Input 36V, 1KV Optoi		• • • • • • • • • • • • • • • • • • • •	lmΔ Sink 1KHz May	Switching	
-	Exp. Connector	ZX Digiti			dules (RelialO 10-12, ReliaW		Owitching	
	Exp. Connector							
	Internal Cellular	No	LTE Cat 1 (NA), 3G Fallback	LTE Cat 1 (EU), 2G/3G Fallback	LTE Cat 1 (NA), 3G Fallback	LTE Cat 1 (EU), 2G/3G Fallback	LTE Cat 1 (JP)	
	External Cellular	Optional Accessory: ReliaCELL 10-20 (3G/4G)						
RADIO INTERFACES	GPS		Factory Option: Internal (72 channels GPS, Galileo, GLONASS, BeiDou) – Optional Accessory: ReliaCELL 10-20 3G					
	Wi-Fi / BT	a/b/g/n, BLE 4.2	N	0		a/b/g/n, BLE 4.2		
	Antennas (Ext.)	2x RSMA Wi-Fi/BT	2x SMA	Cellular	2x SM	A Cellular, 2x RSMA V	Vi-Fi/BT	
	RTC		Yes (User Accessible Battery)					
	Ext. Watchdog	Yes						
	TPM	TPM 2.0						
OTHER	Sensors	Temperature, 3-axis digital Accelerometer, 3-axis digital Gyroscope						
	LEDs		1x Power, 1x Cellular, 4x Programmable					
	Buttons			1x Reset, 1x	Programmable			
	SIM Slot	No		2x r	nicroSIM (User Access	ible)		
	Input		Nominal: 12	or 24 VDC; Range: 9	to 30 VDC with transie	nt protection		
POWER	Consumption				15W Max)			
	Operating Temp			- 40 to	+70°C			
ENVIRONMENT	Storage Temp			- 40 to	+85°C			
	Humidity		5 to 95% Relative Humidity (non condensing) at +40°C					
	Regulatory	CE, FCC, ISED	FCC, ISED	CE	FCC	CE	JATE, TELEC	
	Medical	12, 130, 1025		-		-	,	
	Safety		Designed to be compliant with IEC60601-1-2 EN 62368-1, UL 60950 (§)					
	Environmental		Rohss, Reach					
CERTIFICATIONS	Wi-Fi / BT Radio	RED, FCC, ISED	FCC, ISED	RED	FCC	RED	JATE, TELEC	
ozamino, miento	Cellular Radio	No No	FCC, ISED, PTCRB, AT&T, Verizon	RED	FCC, ISED, PTCRB, AT&T, Verizon	RED	JATE, TELEC	
	Ingress	IP40						
MECHANICAL	Enclosure	Material: ABS - Color: Aluminum						
	Dimensions	139x115x46 (LxWxH) - with SMA Connectors and Mounting Bracket						
SOFTWARE	OS	Eurotech Everyware Linux						
	SDK	Yocto-based Eclipse Tooling, Azul Java						
	loT Framework	Everyware Software Framework (Java/OSGi)						
	loT Platform	AWS IoT Core Qualified, Microsoft Azure Certified, Everyware Cloud Native						

§ UL, NRTL listing Factory Option.

