



- Automotive Grade (E-Mark, SAE/J1455)
- Internal LTE Cat 1 (NA, EU, JP)
- Rugged
- Internal UPS
- ARM® Powered
- Open Platform
- Customizable



Features

Automotive Grade - E-Mark and SAE/J1455 certifications, GPS with Dead Reckoning, 6-32V power supply with ignition sense, surge, noise, reverse polarity, overvoltage and short protection

Internal LTE Cat 1 (NA, EU, JP) - Carrier certified LTE Cat 1 cellular modem with European, North American and Japanese variants, ready for immediate deployment

Rugged - IP67 ingress protection with rugged connectors, wide operating temperature range and a sturdy metal enclosure

Internal UPS - Includes a rechargeable internal 2000mA/h UPS to provide up to 5 minutes of operation and safe shutdown

ARM Powered - Powered by NXP i.MX 6UltraLite CPU to deliver performance and power efficiency

Open Platform - Featuring Everyware Software Framework (ESF), the IoT Java/OSGi based-middleware for IoT Edge Gateways that accelerates gateway development and enables remote management

Customizable - Personalization and full customization options are available, ranging from branding ("skins" and color) to deep HW/SW configurations

Description

Ordering code: DYGATE-10-06-XX

XX		- 31	- 32	- 33	- 34	- 35	- 36	- 37	
PROCESSOR	CPU	i.MX 6Ultralite, 696MHz, Single Core							
MEMORY	RAM	512MB DDR3L							
STORAGE	Embedded	4GB eMMC							
	Other	1x microSD Slot (User Accessible)							
I/O INTERFACES	Ethernet	2x 10/100Mbps on M12							
	USB	1x Host 2.0 (Noise and Surge Protected) - Type A (User Accessible)							
	Serial	1x RS-232, 1x RS-485 (Three-wire, Non-isolated, Surge Protected, RS-485 Termination and Fail-safe Resistors) – 1x Serial Console TTL (User Accessible)							
	CAN 2.0B	2x CAN bus (Non-isolated)							
	Digital I/O	1x Ignition Key (Surge Protected), 1x Odometer (Surge Protected)							
RADIO INTERFACES	Cellular	No			LTE Cat 1 (NA)	LTE Cat 1 (NA) 3G Fallback	LTE Cat 1 (EU) 2G Fallback	LTE Cat 1 (JP)	
	GPS	No	72 channels (GPS, Galileo, GLONASS, BeiDou), with Dead Reckoning						
	Wi-Fi / BLE	No			a/b/g/n, BLE 4.2				
	Antennas (External)	No	1x SMA GPS	1x SMA GPS, 2x RP-SMA Wi-Fi/BT	3x SMA Cell/GPS, 2x RP-SMA Wi-Fi/BT				
OTHER	UPS	No	Internal Battery: 2000mA/h, Ni-MH (Factory Option: Li-ion)						
	RTC	Yes (Supercap)							
	Watchdog	Yes - Dedicated Chip							
	EEPROM	256kbit							
	TPM	TPM 2.0							
	Sensors	Temperature, Accelerometer							
	LEDs	1x Power, 1x Cellular, 2x Programmable							
	SIM Slot	No			2x Micro-SIM (User Accessible)				
POWER	Input	6-36VDC, with Surge, Noise, Reverse Polarity, Overvoltage and Short Protection, Vehicle Ignition Sense – Factory Option: Load Dump							
ENVIRONMENT	Operating Temp	- 40 to +85 °C							
	Storage Temp	- 40 to +85 °C							
CERTIFICATIONS	Regulatory	FCC, ISED, CE, JATE/TELEC			FCC, ISED		CE	JATE/TELEC	
	Safety	EN 62368, UL 60950 (S)							
	Vertical	E-Mark, SAE/J1455 (*)							
	Environmental	RoHS2, REACH							
	Wi-Fi / BT Radio	No		FCC, ISED, CE (RED)	FCC, ISED		CE (RED)	JATE/TELEC	
	Cellular Radio	No			FCC, ISED, PTCRB, Verizon	FCC, ISED, PTCRB, AT&T	CE (RED)	JATE/TELEC	
	IoT Platform	Microsoft Azure Certified							
	Ingress	IP67							
MECHANICAL	Enclosure	Aluminum							
	Dimensions	178x183x62mm (WxDxH) - With Mounting Flange and Connectors							

Software

SOFTWARE	OS	Eurotech Everyware Linux						
	IoT Framework	Everyware Software Framework (Java/OSGi)						

(S) UL, NRTL listing Factory Option.

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* Factory Option