

Al Railway Computer

COMPACT AI Railway Series

Intelligent Machine Learning Unit with NVIDIA Jetson TX2(i)



IPC/COMPACT A2 - RS

This fanless RS COMPACT-A2 generation is based on the NVIDIA Jetson TX2(i) processor module and offers a wide range of interface options.

The robust and uncompromising industrial design allows the implementation in the most demanding AI applications and guarantees long term availability.

- 24/7 continuous operation
- Extended AI Computing
- Temperature according to EN50155 OT4
- Fully railway approved (EN50155 & EN45545)
- EN50155 Class S2 power supply



Product Highlights

Maintenance free
No moving parts / passive cooling
ARM CPU core
Hardware watchdog
Temperature supervision
ESD- protection on all interfaces
Long term availability (fixed BOM)
Shock and vibration resistant

Product Features

256-core NVIDIA Pascal™ GPU
Dual-Core NVIDIA Denver 2 64-Bit CPU
Quad-Core ARM® Cortex®-A57 MPCore
8GB 128-bit LPDDR4 RAM soldered on board
Socket for CFast
Ethernet, USB, Passive or Active CAN
Optional WiFi extensions
Aluminum & Stainless steel housing
Protection class IP40
EN50155 certified (OT4)

Markets / Applications

Railway (rolling stock) Transportation

((

Page 1/3

© 2021 Syslogic Datentechnik AG

Your partner for reliable embedded computer and display solutions.



	Order Code	IPC/RSA2I19-A101E ¹	IPC/RSA2I20-A101
Processor module / Performance			
IVIDIA Jetson TX2i 256-core NVIDIA Pascal™ GPU		•	optional
IVIDIA Jetson TX2 256-core NVIDIA Pascal™ GPU		n/a	•
IVIDIA Jetson TX2 4GB 256-core NVIDIA Pascal™ GPU		n/a	on request
Oual-Core NVIDIA Denver 2 64-Bit CPU and Quad-Core ARM® Cortex®	A57 MPCore	•	•
Il Performance		1.3 TOPs	1.3 TOPs
Memory / Storage			
Oata Cache Size		2MB	2MB
ch x 32-bit LPDDR4 RAM soldered on board		8GB	8GB
MMC 5.1 Flash Storage on board		32GB	32GB
nicroSD Card socket ²		1	1
Fast socket with retention frame ²		1	1
eatures			
leal time clock (RTC) with goldcap backup holds harge for 48h		•	•
Hardware Watchdog & Temperature supervisor		•	•
ntelligent power management		•	•
nertial measurement unit (IMU) STMicroelectronics ISM330DLC		•	•
Communication Interfaces			
Graphic interface		DisplayPort 1.2	DisplayPort 1.2
JSB version 3.0	(Type A)	2	2
nternal USB version 2.0 OTG behind the cover	(micro USB Type AB)	1	1
thernet 10/100/1000Mbit (1x native, 1x I210-IT)	(M12 female x-coded)	2	2
ctive/passive-CAN ESD protected, isolated	(1x DSUB9)	2	2
ISS232 / RS422/485 ESD protected	(DSUB9)	optional	optional
Mini PCle socket ²	(2002)	1	1
2C bus²		•	•
Buzzer		•	•
AIPI CSI-2 Camera Interface ²			
		•	•
		•	•
Vireless Connectivity	L1 (7x RP-SMA)		
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4		optional ¹	optional ¹
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si			
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Dual SIM Support (nanoSIM to mPCIe slot²)		optional ¹	optional ¹
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Oual SIM Support (nanoSIM to mPCIe slot²) Technical Data		optional ¹ optional ¹ •	optional ¹ optional ¹
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Oual SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket)		optional ¹ optional ¹ •	optional ¹ optional ¹ •
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Oual SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Let weight in gram	ierra Wireless MC7455 - M2M only! (3x SMA)	optional ¹ optional ¹ • • ~950	optional ¹ optional ¹ • • ~950
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Oual SIM Support (nanoSIM to mPCle slot ²) Technical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Jet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ •	optional ¹ optional ¹ • 950 16.8 45VDC
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Dual SIM Support (nanoSIM to mPCle slot ²) Technical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Jet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected	ierra Wireless MC7455 - M2M only! (3x SMA)	optional 1 optional 1 •	optional ¹ optional ¹ • • ~950 16.8 45VDC optional
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Dual SIM Support (nanoSIM to mPCle slot²) Technical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Jet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected interruption of voltage supply time: EN50155 Class S2	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional 1 optional 1 • 950 16.8 45VDC optional >10ms	optional ¹ optional ¹ • 950 16.8 45VDC optional >10ms
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Dual SIM Support (nanoSIM to mPCle slot²) Cechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Jet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional 1 optional 1 • -950 16.8 45VDC optional >10ms ~400	optional 1 optional 1
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Dual SIM Support (nanoSIM to mPCle slot ²) Cechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Uset weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional 1 optional 1 • 950 16.8 45VDC optional >10ms	optional 1 optional 1
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 Interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle Newer consumption typ. in Watt @ 24V without Add-Ins, idle	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • • ~950 16.8 45VDC optional >10ms ~400 ~10	optional ¹ optional ¹ • 950 16.8 45VDC optional >10ms ~400 ~10
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Cual SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 Interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle Flower consumption typ. in Watt @ 24V without Add-Ins, idle Flower consumption typ. in Watt @ 24V without Add-Ins, idle Flower consumption typ. in Watt @ 24V without Add-Ins, idle Flower consumption typ. in Watt @ 24V without Add-Ins, idle Flower temperature 4	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • • ~950 16.8 45VDC optional >10ms ~400 ~10	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover c	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot ²) Cechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover c	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ optional ¹ • ~950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C	optional ¹ optional ¹ • • ~950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80°
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality si Cual SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 Interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle Tower consumption typ. in Watt @ 24V without Add-Ins, idle Environmental Conditions Operating temperature 4 Operating temperature class according to EN50155 Itorage temperature Ingress protection standard according to EN60529	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ optional ¹	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80°C
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Welt weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature class according to EN50155 Itorage temperature nagress protection standard according to EN60529 Conformal coating 4	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX	optional 1 optional 1 optional 1
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Welt weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature class according to EN50155 Itorage temperature Ingress protection standard according to EN60529 Conformal coating 4 UN/ECE R10 (E-mark) certification	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ optional ¹	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80° IP40 PCX on request
Vireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature class according to EN50155 Interruption of voltage supply time: EN50155 Conformal coating 4 UN/ECE R10 (E-mark) certification Chock	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80° IP40 PCX on request EN61373
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality signal SIM Support (nanoSIM to mPCle slot²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Wet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 3 interruption of voltage supply time: EN50155 Class S2 Current consumption typ. in MA @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 24V without Add-Ins, idle cover consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature class according to EN50155 Itorage temperature Ingress protection standard according to EN60529 Conformal coating 4 UN/ECE R10 (E-mark) certification shock Vibration	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373 EN61373	optional ¹ optional ¹ • • ~950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80° IP40 PCX on request EN61373 EN61373
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Dual SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Bet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 without not of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle Fower consumption typ. in Watt @ 24V without Add-Ins, idle Fower consumption typ. in Watt @ 24V without Add-Ins, idle Fower consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature Regress protection standard according to EN50155 Conformal coating 4 UN/ECE R10 (E-mark) certification Chlock Wibration MI-Conformity	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373 EN61373 EN50121-3-2	optional ¹ optional ¹ • • ~950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80° IP40 PCX on request EN61373 EN61373 EN50121-3-2
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Could SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Bet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 without not of voltage supply time: EN50155 Class S2 Current consumption typ. in MA @ 24V without Add-Ins, idle Cower consumption typ. in Watt @ 24V without Add-Ins, idle Cover consumption typ. in Watt @ 24V without Add-Ins, idle Conformental Conditions Operating temperature Operating temperature Ingress protection standard according to EN50155 Itorage temperature Ingress protection standard according to EN60529 Conformal coating 4 UN/ECE R10 (E-mark) certification Isolated input voltage, with Ignition data of the Supplemental Conformity afety (designed to meet)	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80° IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Could SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Set weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 without notation of voltage supply time: EN50155 Class S2 Current consumption typ. in mA @ 24V without Add-Ins, idle Cower consumption typ. in Watt @ 24V without Add-Ins, idle Cover consumption typ. in Watt @ 24V without Add-Ins, idle Cover consumption typ. in Watt @ 100 EN50155 Conformental Conditions Operating temperature Regress protection standard according to EN50155 Conformal coating 4 UN/ECE R10 (E-mark) certification Conformity Add-Conformity Affect (designed to meet) The protection	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1 EN45545-2 HL3	optional ¹ optional ¹ • * *950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80°C IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1 EN45545-2 HL:
Wireless Connectivity Vireless LAN IEEE 802.11a/b/g/n/ac dual-band 2x2 MIMO & Bluetooth 4 Cellular Module (LTE/UMTS/GSM) with GNSS positioning functionality so Could SIM Support (nanoSIM to mPCle slot ²) Fechnical Data Dimensions w174 x h52 x d127 mm (housing without mounting bracket) Bet weight in gram Solated input voltage, with Ignition controller, reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 137.5VDC Input voltage, isolated and reverse polarity protected 6.8 without not of voltage supply time: EN50155 Class S2 Current consumption typ. in MA @ 24V without Add-Ins, idle Cower consumption typ. in Watt @ 24V without Add-Ins, idle Cover consumption typ. in Watt @ 24V without Add-Ins, idle Conformental Conditions Operating temperature Operating temperature Ingress protection standard according to EN50155 Itorage temperature Ingress protection standard according to EN60529 Conformal coating 4 UN/ECE R10 (E-mark) certification Isolated input voltage, with Ignition data of the Supplemental Conformity afety (designed to meet)	ierra Wireless MC7455 - M2M only! (3x SMA) (M12 4P male a-coded)	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -40°C +70°C OT4 ⁴ -40°C +85°C IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1	optional ¹ optional ¹ • -950 16.8 45VDC optional >10ms ~400 ~10 -25°C +70°C OT3 ⁴ -25°C +80°C IP40 PCX on request EN61373 EN61373 EN50121-3-2 EN62368-1

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

© 2021 Syslogic Datentechnik AG All rights reserved

Syslogic Datentechnik AG Täfernstrasse 28 CH-5405 Baden Dättwil For further information and support: info@syslogic.com support@syslogic.com www.syslogic.com

+41 56 200 90 40 +49 7741 9671-420 Switzerland (Headquarters) Germany and Austria



⁵On all possible components (excl. TX2(i) Module, connectors and wireless devices)



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508 Support: +1 347 719 4508

1309 Coffeen Ave Ste 1200 Sheridan WY 82801 USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050 Support: +44 (0)1785 879 050

Unit A5 Douglas Park Stone Business Park Stone ST15 0YJ United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660