

# Panel and Vehicle Computers

Electronics  
for Rolling Stock  
and Public Transport



Panel  
computers  
**APBxxx**



Vehicle  
computers  
**PPBxxx**

- Versions with TFT 10,4" and touch screen
- Up to 32 keys with backlight which can be customised
- No moving parts (fan or HDD)
- Wide range of communication interfaces
- GPS positioning, 2G/3G / 4G (LTE) and WiFi optionally
- Operation system Linux or Windows
- Wide operating temperature range -30 °C to 70 °C
- Wide range of power supply voltages 24 V / 36 V / 72V / 110 V (-30 % to +25 %)
- EN 50155 compliant

# Panel and Vehicle Computers



**APBxxx**

**PPBxxx**

<b>Processor</b>	Intel BayTrail E3815, Single Core, 1,46 GHz 2GB RAM, 4GB SATA SLC Flash Intel BayTrail E3845, Quad Core, 1,91 GHz 4GB RAM	
RAM, onboard FLASH	<b>2 GB DDR3 / 4GB SATA SLC Flash</b>	
FLASH	None / CFast slot only / mSATA	
Operation system	None / Linux / Windows Embedded Standard 7 E	
<b>Display</b>	TFT LCD 10,4", 262 144 colours	-
Resolution	<b>1024 × 768 pixels</b>	-
Keyboard	None / 32 keys, backlight, UIC612-01 / 26 keys, backlight, AMiT print / Customized	-
Touch screen	None / Resistive / Capacitive / PCT (for Gorilla® Glass / Hardened glass only)	-
USB	2 × USB 2.0 type A / 2 × USB 2.0 type A, 1 × USB 2.0 M12, 5-pin, A-code	
Audio output	None / Stereo output	
Ethernet interface	1 / 2 × Ethernet 10 / 100 / 1000 Mbps ( <b>RJ45</b> ) / 1 / 2 × Ethernet 10 / 100 Mbps ( <b>M12, D-coded</b> )	
RS232	None / 1 ×	
RS485	None / 1 × / 2 ×	
CAN	None / 1 × / 2 ×	
MVB	None / 1 ×	
Communication	<b>WiFi</b> - None / 1 × 802.11n, 2x2 MIMO (2,4, 5 GHz) <b>GPS</b> - None / 1 × GPS GLONASS <b>GSM</b> - None / 1 × 2G / 3G / 4G (LTE)	
<b>Power supply</b>	24 V / 36 V / 72V / 110 V (-30 % to +25 %)	
Protection front panel / back panel	IP65 / IP20	
Operating temperature range	-30 °C to 70 °C	
Mounting	Front panel - 4 holes in corners / UIC612-01 / Customized	On the base plate
Weight	Typ. 4,00 kg	
Dimensions (w × h × d)	(345 × 227 × 116) mm with standard keyboard (345 × 217 × 116) mm without keyboard (310 × 214 × 116) mm with keyboard, UIC612-01 (295 × 240 × 116) mm without keyboard, Gorilla® Glass / Hardened glass only	(343 × 210 × 108) mm

**Standards** **EN 50155, EN 50121-3-2, EN 61373, EN 60068-2-1, EN 60068-2-2**

- Rugged and temperature-durable on-board computers for rolling stock applications
- Used as HMI units for driver's desk, control of passenger information system, surveillance system control/display unit or diagnostics and communication units



AMiT, spol. s r.o.  
Naskové 3/1100, 150 00 Prague  
Czech Republic

phone: +420 222 781 516  
+420 222 780 100  
fax: +420 222 782 297

e-mail: [transportation@amit.cz](mailto:transportation@amit.cz)  
[www.amit-transportation.com](http://www.amit-transportation.com)



[www.amit-transportation.com](http://www.amit-transportation.com)