Industrial IoT Gateway
Ready to Deploy

Highlights
• Off-the Shelf Ready to Deploy Solution
• Easily Programmable PYTHON/JAVA/C++/C
• Customize Hardware & Software for Application requirements
• Build your own Board-BOM as low as $48, SOM $22
• CE/FCC Compliances with Industrial Grade Designs
### Specifications

**Applications:**
- Factory Automation
- Process Automation
- Monitoring and Control Systems
- Building Automation and Security
- Utilities
- ATM, POS, Kiosk
- Telecom and IT
- Railway
- Intelligent Transportation System
- Fleet Mgmt & VTS
- Logistic Automation
- Maritime
- Smart Grid
- Power & Energy
- Oil & Gas
- Medical and Healthcare
- Retail Automation

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<table>
<thead>
<tr>
<th>Technical Details</th>
<th>Basic Featured</th>
<th>Full Featured</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOM Family</td>
<td>phyCORE-AM3352</td>
<td>phyCORE-AM3354</td>
</tr>
<tr>
<td>SBC Family</td>
<td>phyBOARD-TEGR3</td>
<td>phyBOARD-WEGA</td>
</tr>
<tr>
<td>Clock Frequency</td>
<td>600 MHz upto 1GHz</td>
<td>600 MHz upto 1GHz</td>
</tr>
<tr>
<td>Architecture</td>
<td>ARM Cortex-A8</td>
<td>ARM Cortex-A8</td>
</tr>
<tr>
<td>Memory</td>
<td>512 MB NAND Flash, 512 MB DDR3 RAM, 8 MB SPI NOR, 4 kByte EEPROM</td>
<td>512 MB Upto 1GB RAM, 512 MB Upto 1GB NAND Flash, 4kByte EEPROM</td>
</tr>
<tr>
<td>Add-on Module</td>
<td>-----------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Interfaces</td>
<td></td>
<td>phyWaveCC2650(Zigbee/6LowPAN/BL)</td>
</tr>
<tr>
<td>CAN</td>
<td>1x CAN</td>
<td>1x CAN</td>
</tr>
<tr>
<td>Expansion Bus</td>
<td>UART 0,SPI 0,JTAG,MCC 2,UART 2,UART 3, GPIOs,Interrupt, Reset,Analog Inputs</td>
<td>UART 0,SPI 0,JTAG,MCC 2,UART 2,UART 3,GPIOs,Interrupt,Reset,Analog Inputs</td>
</tr>
<tr>
<td>Serial</td>
<td>2x RS232, 1x RS485</td>
<td>1x RS232</td>
</tr>
<tr>
<td>Ethernet</td>
<td>2x Ethernet 10/100 Mbit/s</td>
<td>2x Ethernet 10/100 Mbit/s</td>
</tr>
<tr>
<td>USB</td>
<td>1x microUSB OTG</td>
<td>1x USB Host, 1x USB OTG</td>
</tr>
<tr>
<td>Mass Storage</td>
<td>µSD Card Holder</td>
<td>µSD Card Holder</td>
</tr>
<tr>
<td>Audio</td>
<td>1x Stereo Line In &amp; Out,1x Mono Speaker Out</td>
<td>1x Stereo Line In &amp; Out,1x Mono Speaker Out</td>
</tr>
</tbody>
</table>

**Radio Interfaces**
- Cellular: Optional
- GPS: Optional
- SIM Slot: Optional
- WiFi/BT: Optional
- IoT Wireless: Optional
- Antennas: Optional

**Expansion & Configuration**
- User Control Elements: 1x Button Reset
- RTC: Goldcap for on module RTC
- Display & Touch: Parallel / HDMI with Adapter (Opt)
- Housing: DIN Rail
- Upon Request

**Environment**
- Supply Voltage: 12-24V
- 5V
- Temperature Range: 0°C to 70°C, -40°C to 85°C
- 0°C to 70°C, -40°C to 85°C
- Certifications: CE and FCC Compliances, Certified Wireless modules (CE/GCF/FCC/IC/NCC/DoC)
- CE and FCC Compliances, Certified Wireless modules

**Software**
- Operating System: Linux / Yocto - Kernel 4.4 (Upgradable)
- Linux / Yocto - Kernel 4.4 (Upgradable)
- IoT Framework: Oracle/Open JDK Java SE Embedded
- Oracle/Open JDK Java SE Embedded
- Cloud Platform: Azure, AWS & Others
- Azure, AWS & Others

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