### 1. Input Module Specifications*

<table>
<thead>
<tr>
<th>Model</th>
<th>ST-3114</th>
<th>ST-3134</th>
<th>ST-3214</th>
<th>ST-3234</th>
<th>ST-3118</th>
<th>ST-3218</th>
<th>ST-3428</th>
<th>ST-3274</th>
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<tbody>
<tr>
<td>Channel</td>
<td>4 Channel</td>
<td>4 Channel</td>
<td>8 Channel</td>
<td>4 Channel</td>
<td>4 Channel</td>
<td>4 Channel</td>
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</tr>
<tr>
<td>Input Range</td>
<td>0 ~ 20mA</td>
<td>4 ~ 20mA</td>
<td>0 ~ 20mA</td>
<td>4 ~ 20mA</td>
<td>0~10V</td>
<td>4 ~ 20mA</td>
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<tr>
<td>Type</td>
<td>Current</td>
<td>Current</td>
<td>Voltage</td>
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<td>14bit</td>
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<tr>
<td>Resolution</td>
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<td>14bit</td>
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<td>Terminal block</td>
<td>Sensor Connector</td>
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<tr>
<td>Accuracy</td>
<td>±0.1% Full Scale @25℃, ±0.3% Full Scale @ 0℃, 60℃</td>
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<tr>
<td>Input Impedance</td>
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<td>500KΩ</td>
<td>120Ω</td>
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<td>Update Time</td>
<td>4ms / All channel</td>
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<td>Module current consumption</td>
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<td>Common</td>
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<td>Photo coupler isolation</td>
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<td>Surrounding Air Temp./ Ambient Temp</td>
<td>0℃ to 55℃ for UL applications ; 0℃ to 60℃ for non-UL applications ; Storage -40℃ to 85℃</td>
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<td>Relative Humidity</td>
<td>5% ~ 90%, without condensation</td>
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* Specifications and designs could be changed without advance notice
1. Input Module Specifications*

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<td>RTD</td>
<td>TC</td>
<td>RTD</td>
<td>TC</td>
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<td>Type</td>
<td>Voltage</td>
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<td>Ref2*</td>
<td>Ref1*</td>
<td>Ref2*</td>
<td>±0.1°C/F, 10mΩ</td>
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<td>Accuracy</td>
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<td>Update Time</td>
<td>4ms / All channel</td>
<td>200msec / All Channel</td>
<td>30msec/1Channel when Normal Conversion</td>
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<td>Module current consumption</td>
<td>165mA/5Vdc</td>
<td>170mA/5Vdc</td>
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2. Release Information

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3. Electronic Documentation

Manuals:  
PACSystems RSTi I/O User Manual, GFK-2745  
PACSystems RSTi Network Adapter User Manuals  
The most recent user documents are available on the Support website: http://www.ge-ip.com/support

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4. Input wiring Diagrams

**ST-3114**: 4 channels Current 0~20mA 12bit
- System Power (5V)
- System Power (GND)
- Bus Contacts
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3214**: 4 channels Current 4~20mA 12bit
- System Power (5V)
- System Power (GND)
- Bus Signal
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3134**: 4 channels Current 0~20mA 14bit
- System Power (5V)
- System Power (GND)
- Bus Contacts
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3234**: 4 channels Current 4~20mA 14bit
- System Power (5V)
- System Power (GND)
- Bus Signal
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3424**: 4 channels Voltage 0~10V 12bit
- System Power (5V)
- System Power (GND)
- Bus Contacts
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3524**: 4 channels Voltage -10~10V 12bit
- System Power (5V)
- System Power (GND)
- Bus Signal
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3444**: 4 channels Voltage 0~10V 14bit
- System Power (5V)
- System Power (GND)
- Bus Contacts
- Pin No
- Common
- Shield
- Field Power (12Vdc)

**ST-3544**: 4 channels Voltage -10~10V 14bit
- System Power (5V)
- System Power (GND)
- Bus Signal
- Pin No
- Common
- Shield
- Field Power (12Vdc)
4. Input wiring Diagrams

- **ST-3118**: 8 channels Current 0~20mA 12bit
- **ST-3218**: 8 channels Current 4~20mA 12bit
- **ST-3244**: 4 channels Voltage 0V~5V 12bit
- **ST-3428**: 8 channels Voltage 0~10V 12bit
- **ST-3624**: 4 channels Voltage 0V~5V 14bit
- **ST-3274**: 4 channels Current Sensor Connector 4~20mA, 12bit
4. Input wiring Diagrams

**ST-3702 : 2 channels RTD / Resistance**
- Bus Contacts
- Pin No
- AGND
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, RTD Device, Field Power (0V/0mA), Field Power (24V/0mA)

**ST-3802 : 2 channels TC / mV**
- Bus Contacts
- Pin No
- AGND
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, Field Power (0V/0mA), Field Power (24V/0mA)

**ST-3704 : 4 channels RTD / Resistance**
- Bus Contacts
- 3-wire RTD Sensor
- RTD Ch#0+(Pin#1), RTD Ch#0-(Pin#2)
- AGND(Pin#9 or #10)
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, Bypass to next module, Not used for this module

**ST-3804 : 4 channels TC / mV**
- Bus Contacts
- Thermocouple sensor
- TC Ch#0+(Pin#1), TC Ch#0-(Pin#2)
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, External PT100 Sensor (Optional), PT100 Sensor (Pin#34), PT100 Sensor (Pin#20)

**ST-3708 : 8 channels RTD / Resistance**
- Bus Contacts
- 3-wire RTD Sensor
- RTD Ch#0+(Pin#1), RTD Ch#0-(Pin#2)
- AGND(Pin#9 or #10)
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, Bypass to next module, Not used for this module

**ST-3808 : 8 channels TC / mV**
- Bus Contacts
- Thermocouple sensor
- TC Ch#0+(Pin#1), TC Ch#0-(Pin#2)
- Field Power Contacts
- System Power (5V), System Power (GND), Bus Signal, External PT100 Sensor (Optional), PT100 Sensor (Pin#34), PT100 Sensor (Pin#20)