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| Model | WI-PCES310GF-FO | WI-PCES318GF-FO |
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| Model | WI-PCES310GF-F | WI-PCES318GF-F |
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| Hardware Specifications |                               |                                |
| Interfaces              |                               |                                |
| Downlink Ports          | 8 *10/100/1000Mbps RJ45 Ports | 16 *10/100/1000Mbps RJ45 Ports |
| Uplink Ports            | 2 *1000Mbps SFP Slots         | 2 *1000Mbps SFP Slots          |

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| PoE                |                                                                                |                                                                                   |
| PoE Port           | Port 1-8                                                                       | Port 1-16                                                                         |
| PoE Standard       | Port 1-2: IEEE802.3 af/at/bt<br>Port 3-8: IEEE802.3 af/at                      | Port 1-4: IEEE802.3 af/at/bt<br>Port 5-16: IEEE802.3 af/at                        |
| PoE Pin Assignment | 1/2(+), 3/6(-), 4/5(+), 7/8(-)                                                 |                                                                                   |
| PoE Power          | 90W Max. for port1-2<br>30W Max. for port3-8<br>145W Max. for PoE power budget | 90W Max. for port 1-4<br>30W Max. for port 5-16<br>235W Max. for PoE power budget |

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| * This product configuration comes with a 150W power supply; if a higher power input is required, a separate power supply module must be purchased. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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10000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000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|                   |

**\* This product configuration comes with a 150W power supply; if a higher power input is required, a separate power supply module must be purchased.**

|                   |                                               |                                                |
|-------------------|-----------------------------------------------|------------------------------------------------|
| Power Consumption | Idle: 5 W<br>100% Traffic Rate with PoE: 150W | Idle: <5 W<br>100% Traffic Rate with PoE: 240W |
|-------------------|-----------------------------------------------|------------------------------------------------|

|                          |  |  |
|--------------------------|--|--|
| Physical Characteristics |  |  |
|--------------------------|--|--|

|                          |               |                 |
|--------------------------|---------------|-----------------|
| Switch Dimension (W*D*H) | 180*140*25 mm | 230*148*24.4 mm |
| Package Dimension        | 247*215*47 mm | 263*238*48 mm   |

|        |                         |                        |
|--------|-------------------------|------------------------|
| Weight | Net Weight: 0.68 kg     | Net Weight: 1.0 kg     |
|        | Package Weight: 0.95 kg | Package Weight: 1.2 kg |

|              |                                         |  |
|--------------|-----------------------------------------|--|
| Installation | DIN-rail, wall-mount and magnetic-mount |  |
|--------------|-----------------------------------------|--|

|               |  |  |
|---------------|--|--|
| Environmental |  |  |
|---------------|--|--|

|             |                |                                                             |
|-------------|----------------|-------------------------------------------------------------|
| Reliability | Surge Immunity | IEC 61000-4-5<br>Common mode 6kV<br>Differential mode 2kV   |
|             | ESD Protection | IEC 61000-4-2<br>Contact discharge 6kV<br>Air discharge 8kV |

|                       |                               |                               |
|-----------------------|-------------------------------|-------------------------------|
| Operating Temperature | -40°C to 75°C(-40°F to 167°F) | -30°C to 65°C(-22°F to 149°F) |
|-----------------------|-------------------------------|-------------------------------|

|                    |                            |  |
|--------------------|----------------------------|--|
| Operating Humidity | 10%~90% RH no condensation |  |
|--------------------|----------------------------|--|

|                     |                               |  |
|---------------------|-------------------------------|--|
| Storage Temperature | -40°C to 80°C(-40°F to 176°F) |  |
|---------------------|-------------------------------|--|

|                  |                            |  |
|------------------|----------------------------|--|
| Storage Humidity | 10%~90% RH no condensation |  |
|------------------|----------------------------|--|

|               |  |  |
|---------------|--|--|
| Certification |  |  |
|---------------|--|--|

|               |                          |  |
|---------------|--------------------------|--|
| Certification | CE, FCC, RoHS, UKCA, RCM |  |
|---------------|--------------------------|--|

|                   |  |  |
|-------------------|--|--|
| Software Features |  |  |
|-------------------|--|--|

|                 |                      |
|-----------------|----------------------|
| System Settings | Device Info          |
|                 | IP Settings          |
|                 | User Management      |
|                 | Firmware Upgrade     |
|                 | Configuration Backup |
|                 | Reset                |
|                 | Save Configuration   |
|                 | Reboot               |

|                 |                        |
|-----------------|------------------------|
| Switch Settings | Port Settings          |
|                 | Port Statistics        |
|                 | Storm Control          |
|                 | Port Mirroring         |
|                 | Port Isolation         |
|                 | Port Bandwidth Control |
|                 | Link Aggregation       |
|                 | Loop Guard             |

|               |               |
|---------------|---------------|
| VLAN Settings | MAC Search    |
|               | Static MAC    |
|               | MAC Table     |
|               | Alarm         |
|               | VLAN Member   |
|               | VLAN Settings |
|               |               |
|               |               |

|                |              |
|----------------|--------------|
| PoE Management | PoE Settings |
|----------------|--------------|

|       |              |
|-------|--------------|
| ONVIF | Onvif Detect |
|-------|--------------|

|                |                                |
|----------------|--------------------------------|
| Cloud Settings | MQTT Client                    |
|                | Wi-Tek Devices Discovery Table |

|          |               |
|----------|---------------|
| Products | WI-IOTBOXNANO |
|----------|---------------|

|                  |    |
|------------------|----|
| Hardware Version | V1 |
|------------------|----|

|                   |  |
|-------------------|--|
| Hardware Features |  |
|-------------------|--|

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Overall Dimensions (W*H*D) | 300*400*148mm (Include mounting slot)<br>300*400*133mm |
|----------------------------|--------------------------------------------------------|

|                          |              |
|--------------------------|--------------|
| Inner Dimensions (W*H*D) | 296*396*95mm |
|--------------------------|--------------|

|            |       |
|------------|-------|
| Weight(kg) | 6.0kg |
|------------|-------|

|                            |               |
|----------------------------|---------------|
| Package Dimensions (W*H*D) | 460*360*190mm |
|----------------------------|---------------|

|                    |       |
|--------------------|-------|
| Package Weight(kg) | 6.5kg |
|--------------------|-------|

|           |       |
|-----------|-------|
| Thickness | 1.2mm |
|-----------|-------|

|         |      |
|---------|------|
| Materia | SPCC |
|---------|------|

|       |                   |
|-------|-------------------|
| Color | Light Grey + Grey |
|-------|-------------------|

|                   |                        |
|-------------------|------------------------|
| Surface Treatment | Electrostatic Spraying |
|-------------------|------------------------|

|              |                                   |
|--------------|-----------------------------------|
| Installation | Pole/Wall(optional)/Floor mounted |
|--------------|-----------------------------------|

|      |   |
|------|---|
| Door | 1 |
|------|---|

|           |   |
|-----------|---|
| Lock Hole | 1 |
|-----------|---|

|                       |                          |
|-----------------------|--------------------------|
| Detachable Side Plate | 2 (1 on each side panel) |
|-----------------------|--------------------------|

|                          |                                |
|--------------------------|--------------------------------|
| M25 Waterproof Connector | 2 (1 on each side inner panel) |
|--------------------------|--------------------------------|

|                      |                       |
|----------------------|-----------------------|
| Aluminum Alloy Chute | 2 (on the rear panel) |
|----------------------|-----------------------|

|                    |                   |
|--------------------|-------------------|
| Bottom Cable Entry | 1 (at the bottom) |
|--------------------|-------------------|

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Water Outlet Holes | 4 (at the bottom, can be blocked with rubber plugs) |
|--------------------|-----------------------------------------------------|

|             |                               |
|-------------|-------------------------------|
| Microswitch | 1 (on the upper right inside) |
|-------------|-------------------------------|

|     |                              |
|-----|------------------------------|
| Fan | 1 (on the right inner panel) |
|-----|------------------------------|

|            |                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insect Net | 2 (1 on the upper right inside , between the fan and the waterproof louver,<br>1 on the upper left inside, between the back bracket and the waterproof louver) |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |      |
|------------|------|
| Protection | IP55 |
|------------|------|

|             |  |
|-------------|--|
| Application |  |
|-------------|--|

|             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| Application | Junction, Distribution, Electrical, Battery, Control, Monitoring etc. Outdoor waterproof Enclosure Box |
|-------------|--------------------------------------------------------------------------------------------------------|

|       |               |
|-------|---------------|
| Model | WI-FP150W-56V |
|-------|---------------|

|        |  |
|--------|--|
| Output |  |
|--------|--|

|            |     |
|------------|-----|
| DC Voltage | 56V |
|------------|-----|

|                     |       |
|---------------------|-------|
| Rated Current(Max.) | 2.68A |
|---------------------|-------|

|               |         |
|---------------|---------|
| Current Range | 0-2.68A |
|---------------|---------|

|                  |      |
|------------------|------|
| Rate Power(Max.) | 150W |
|------------------|------|

|                      |       |
|----------------------|-------|
| Ripple & Noise(Max.) | 500mV |
|----------------------|-------|

|                    |                                        |
|--------------------|----------------------------------------|
| Volatge ADJ. Range | 55-57V (Adjustment is not recommended) |
|--------------------|----------------------------------------|

|                   |        |
|-------------------|--------|
| Voltage Tolerance | ± 2.0% |
|-------------------|--------|

|                 |        |
|-----------------|--------|
| Link Regulation | ± 0.5% |
|-----------------|--------|

|                 |        |
|-----------------|--------|
| Load Regulation | ± 1.0% |
|-----------------|--------|

|                  |                                                            |
|------------------|------------------------------------------------------------|
| Setup, Rise Time | ≤1000ms/230VAC(at full load); ≤2000ms/115VAC(at full load) |
|------------------|------------------------------------------------------------|

|                     |                           |
|---------------------|---------------------------|
| Hold Up Time (Typ.) | 30ms/230VAC(at full load) |
|---------------------|---------------------------|

|       |  |
|-------|--|
| Input |  |
|-------|--|

|               |                                                    |
|---------------|----------------------------------------------------|
| Voltage Range | 100~240 VAC (actual input voltage range: 85~264 V) |
|---------------|----------------------------------------------------|

|                 |         |
|-----------------|---------|
| Frequency Range | 47~63Hz |
|-----------------|---------|

|            |     |
|------------|-----|
| Efficiency | 86% |
|------------|-----|

|                   |                          |
|-------------------|--------------------------|
| AC Current (Typ.) | 1.2A/220VAC; 1.7A/110VAC |
|-------------------|--------------------------|

|                 |                 |
|-----------------|-----------------|
| Leakage Current | < 0.75mA/240VAC |
|-----------------|-----------------|

|                |                        |
|----------------|------------------------|
| Inrush Current | Cold Start <50A/230VAC |
|----------------|------------------------|

|            |  |
|------------|--|
| Protection |  |
|------------|--|

|           |                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------|
| Over Load | 110%~150% rated output power<br>Protection type: Hiccup mode, recovers automatically after fault condition is removed |
|-----------|-----------------------------------------------------------------------------------------------------------------------|

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Short Circuit | Hiccup mode, recovers automatically after fault condition is removed |
|---------------|----------------------------------------------------------------------|

|             |  |
|-------------|--|
| Environment |  |
|-------------|--|

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Working Environment | -20°C~-60°C(Please refer to "Derating Curve"section); 20 ~ 90% RH Non-condensing |
|---------------------|----------------------------------------------------------------------------------|

|                     |                                         |
|---------------------|-----------------------------------------|
| Storage Environment | -40°C~+85°C; 10 ~ 95% RH Non-condensing |
|---------------------|-----------------------------------------|

|       |  |
|-------|--|
| Other |  |
|-------|--|

|                          |             |
|--------------------------|-------------|
| Product Dimension(W.H.D) | 159*97*30mm |
|--------------------------|-------------|

|                |      |
|----------------|------|
| Product Weight | 387g |
|----------------|------|

|              |              |
|--------------|--------------|
| Installation | Chasis Mount |
|--------------|--------------|

Note:  
1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  
2.Ripple&noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
3. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.  
4.The ambient temperature derating of 5°C/1000m with fanless models for operating altitude higher than 2000m(6500ft).

|       |             |
|-------|-------------|
| Model | WI-RSC302PD |
|-------|-------------|

|                   |  |
|-------------------|--|
| Hardware Features |  |
|-------------------|--|

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Interface | 1*100/1000Mbps SFP slot<br>1*10/100/1000Mbps PoE+ IN RJ45 port |
|-----------|----------------------------------------------------------------|

|  |                                                           |
|--|-----------------------------------------------------------|
|  | 1000M<br>Steady on: Copper port is operating at 1000Mbps. |
|--|-----------------------------------------------------------|

|  |                                                                                                                                           |
|--|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | SFP<br>Steady on: Fiber port is linked up<br>Blinking: Fiber port is actively sending or receiving data<br>Off: Fiber port is linked down |
|--|-------------------------------------------------------------------------------------------------------------------------------------------|

|  |                                                                                                                                                   |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Link/ACT<br>Steady on: Copper port is linked up<br>Blinking: Copper port is actively sending or receiving data<br>Off: Copper port is linked down |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------|

|               |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| LED Indicator | PWR<br>Steady on: The device is powered on<br>Off: The device is powered down |
|---------------|-------------------------------------------------------------------------------|

|  |                                                       |
|--|-------------------------------------------------------|
|  | 9V<br>Steady on: DC output voltage is delivered at 9V |
|--|-------------------------------------------------------|

|  |                                                         |
|--|---------------------------------------------------------|
|  | 12V<br>Steady on: DC output voltage is delivered at 12V |
|--|---------------------------------------------------------|

|  |                                                         |
|--|---------------------------------------------------------|
|  | 24V<br>Steady on: DC output voltage is delivered at 24V |
|--|---------------------------------------------------------|

|  |                                                         |
|--|---------------------------------------------------------|
|  | 48V<br>Steady on: DC output voltage is delivered at 48V |
|--|---------------------------------------------------------|

|        |                                   |
|--------|-----------------------------------|
| DC Out | DC 9V/12V/24V/48V@18W max. output |
|--------|-----------------------------------|

|              |                        |
|--------------|------------------------|
| Power Supply | IEEE 802.3af/at PoE IN |
|--------------|------------------------|

|                   |                       |
|-------------------|-----------------------|
| Power Consumption | <20W (Without DC out) |
|-------------------|-----------------------|

|                   |             |
|-------------------|-------------|
| Dimensions(W*D*H) | 103*37*30mm |
|-------------------|-------------|

|        |     |
|--------|-----|
| Weight | 85g |
|--------|-----|

|                    |             |
|--------------------|-------------|
| Package Dimensions | 106*39*32mm |
|--------------------|-------------|

|                |      |
|----------------|------|
| Package Weight | 100g |
|----------------|------|

|              |                   |
|--------------|-------------------|
| Installation | DIN-Rail, Desktop |
|--------------|-------------------|

|              |          |
|--------------|----------|
| Fan Quantity | Fan-less |
|--------------|----------|

|          |             |
|----------|-------------|
| Material | Metal shell |
|----------|-------------|

|       |        |
|-------|--------|
| Color | Silver |
|-------|--------|

|                 |  |
|-----------------|--|
| Switch Property |  |
|-----------------|--|

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Standards and Protocols | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x |
|-------------------------|-----------------------------------------------------------------|

|                 |                   |
|-----------------|-------------------|
| Forwarding Mode | Store and forward |
|-----------------|-------------------|

|                   |    |
|-------------------|----|
| MAC Address Table | 2k |
|-------------------|----|

|                    |       |
|--------------------|-------|
| Switching Capacity | 2Gbps |
|--------------------|-------|

|                        |           |
|------------------------|-----------|
| Packet Forwarding Rate | 2.976Mpps |
|------------------------|-----------|

|             |  |
|-------------|--|
| Reliability |  |
|-------------|--|

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Operating Environment | -40°C to 65°C (-4~140°F), 10%~90% (non-condensation) |
|-----------------------|------------------------------------------------------|

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Storage Environment | -40°C to 75°C (-4~140°F), 5%~95% (non-condensation) |
|---------------------|-----------------------------------------------------|

|               |  |
|---------------|--|
| Certification |  |
|---------------|--|

|               |                      |
|---------------|----------------------|
| Certification | FCC, RoHS, UKCA, RCM |
|---------------|----------------------|