The IRT Technologies IRK® Series (Intelligent Redundant Kit) 16W-500W Ku-Band / 20W-400W C-Band 1:2 redundancy system is light weight and super-compact due to revolutionary small size IRT BUCs/SSPAs. 1:2 IRK System redundancy controller is equipped with weatherized display and push buttons making installation, maintenance and diagnostic more user friendly.

IRK® Series features extensive monitor & control via serial ports EIA232/EIA485 and Ethernet. The state of the art web browser provides the operator with comprehensive system management tool.

### Key Features
- State of art ODU redundancy controller with display and illuminated push buttons for user convenience
- Available as Universal Unistrut Mechanical arrangement fitting all size IRT BUC/SSPA
- Also available as customized mechanical design
- Easy BUC/PA unit's replacement without interruption of traffic
- Remote Control over RS-232, RS-485 and Ethernet.
- Built-in SNMP and Web Server
- Auto manual, Remote, Manual Override Operational Modes
- BUC A/S and B/S Gain Equalization Feature
- Manual Switch-Over Button
- Indoor IRU Remote Control Unit Optional

### Monitor & Control Features
- Controls
  - Online/Stand By Toggle
  - Mute Control
  - Gain Control
  - Gain equalization offset
  - Hot standby/Cold Standby
- Indicators
  - Active/Stand by status
  - Mute Status
  - Switch Position
  - BUC A/B full telemetry
  - Alarm A/B details

### IF/RF Characteristics
- IF Frequency Range: 950-1525MHz / 950-1700MHz
- RF Frequency: 5085-6.425GHz / 13.75-14.5GHz
- Return Loss at IF In Port: -14dB max
- Return Loss at RF Out Port: -16dB max
- Output Power: Up to 500W at PSAT
- Input IF port Impedance: 50Ohm

### Power
- AC option: 90-265VAC 50-60Hz to each BUC/SSPA
- DC option: 36-55 VDC Isolated to each BUC/SSPA

### Interfaces
- IF IN (L-Band and 10MHz): N-type female
- RF Out: CPR137/WR75 Grooved
- User Interface: MS3112E14-19S

### IRT Part Number

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<thead>
<tr>
<th>IRT Part Number</th>
<th>Power, Watt</th>
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<tbody>
<tr>
<td>IRK-CB00490-HM12</td>
<td>20W to 80W</td>
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<td>IRK-CB00530-HM12</td>
<td>150W to 200W</td>
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<td>IRK-CB00560-HM12</td>
<td>300W to 400W</td>
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<td>IRK-KXB0480-HM12</td>
<td>16W to 60W</td>
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<td>IRK-KXB0510-HM12</td>
<td>80W to 125W</td>
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<td>150W to 200W</td>
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<td>IRK-KXB0570-RM12</td>
<td>300W to 500W</td>
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