**COLLABORATE**

*with your team*

- Connect multiple users to the same server
- Display resources anywhere on the video wall
- Control with a computer, tablet, or phone

**VISUALIZE**

*disparate resources*

- Run applications directly on the video wall
- Capitalize on flexible direct video and IP inputs
- Use the video wall as an extended desktop

**SECURE**

*your information*

- Utilize encrypted IP video + KVM control
- Create user profiles with access boundaries
- Work with corporate user authentication
RGB Spectrum’s Galileo Display Processor is a powerful and economical PC-based video wall system that offers integrated IP inputs and the ability to run applications natively. Combining the flexibility of a PC system with real-time performance, the IP-enabled Galileo processor sets a new standard for PC walls.

**REAL-TIME 24/7 PERFORMANCE**

Optimized components allow the Galileo processor to deliver real-time throughput and superb image quality, unlike other PC-based systems that can drop frames or cause image tearing.

The processor’s solid state drive and hot-swappable, redundant power supplies provide an extra level of reliability.

**IP STREAMING INPUTS**

IP video streams are decoded either directly by the Galileo processor or on a dedicated input card.

The IP decode input card enables hardware-accelerated H.264 decoding of high quality video over IP up to 4K / UHD resolution.

**APPLICATIONS**

The Galileo processor can run computer applications directly on the video wall. For applications such as SCADA, VMS or videoconferencing, the higher total resolution of the video wall enables operators to view applications with greater clarity and in more detail. The simultaneous display of applications, direct video inputs and IP streams provides enhanced situational awareness.

**REMOTE DESKTOP**

The Galileo processor offers multicast remote desktop functionality. This unique approach enables any authorized client to view the display of another client or remote KVM host. Clients can also place remote KVM hosts onto the video wall for collaborative viewing.
The Galileo system provides several control options that simplify set-up and operation.

A built-in web interface, accessible on any computer, tablet or mobile device, enables users to recall layouts and move/resize windows. No app is required!

Third-party devices can also provide system control.

The Galileo processor’s rich API allows operators to monitor remote alarms, create scripts to recall layouts, and control third-party equipment.

ENTERPRISE SECURITY
For mission-critical enterprise-level applications, we offer enhanced security features that protect the integrity of system data and resources. The optional Galileo Advanced software adds the following capabilities:

User Profile Manager:
- Authenticates users through Active Directory
- Manages users, groups and access privileges
- Restricts working area for specific users
- Limits user access to schedules, layouts, and scripts

Security Log:
- Keeps a record of login and logout events
- Logs window positions and records who is moving them
- Logs when schedules, layouts, and scripts are created, modified or deleted
- Administrators can customize which events to log

Application Note
With the ability to run applications, control third-party equipment, and deliver real-time processing and integrated KVM control, the Galileo processor can act as a versatile control system for smaller-scale control rooms and operations centers. The processor provides unified control over disparate resources and offers sophisticated management tools that support multiple operators and work stations. Designed for 24/7 reliability, the Galileo processor is a feature-packed visual integration platform for mission-critical control rooms.
## Specifications

<table>
<thead>
<tr>
<th>Physical</th>
<th>GO 16</th>
<th>GO 28</th>
<th>GO 40</th>
<th>GO 56</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (h x w x d)</td>
<td>7.0 x 19.0 x 16.8 inches (4RU)</td>
<td>7.0 x 19.0 x 21.5 inches (4RU)</td>
<td>7.0 x 19.0 x 26.0 inches (4RU)</td>
<td>7.0 x 19.0 x 26.0 inches (4RU)</td>
</tr>
<tr>
<td>Weight</td>
<td>37 lbs/16.8 kg</td>
<td>40 lbs/18 kg</td>
<td>57 lbs/26 kg</td>
<td>57 lbs/26 kg</td>
</tr>
<tr>
<td>Power Supply</td>
<td>100-240 VAC; 50/60 Hz</td>
<td>100-240 VAC; 50/60 Hz</td>
<td>115-230 VAC; 50/60 Hz</td>
<td>115-230 VAC; 50/60 Hz</td>
</tr>
<tr>
<td>Power</td>
<td>800 W max</td>
<td>850 W single, 900 W dual max</td>
<td>810 W max</td>
<td>810 W max</td>
</tr>
</tbody>
</table>

| Environmental | | | | |
| Operating Temp | +32 to +104 °F (0 to +40 °C) | +32 to +104 °F (0 to +40 °C) | +32 to +104 °F (0 to +40 °C) | +32 to +104 °F (0 to +40 °C) |
| Storage Temp | -4 to +176 °F (-20 to +80 °C) | -4 to +176 °F (-20 to +80 °C) | -4 to +140 °F (-20 to +60 °C) | -4 to +140 °F (-20 to +60 °C) |
| Operating Humidity | 20% to 80% non-condensing | 20% to 80% non-condensing | 10% to 85% non-condensing | 10% to 85% non-condensing |

| Processor | | | | |
| CPU | Single Intel® Six Core™ i7 | Single Intel® Six Core™ i7 | Single Intel® Quad Core™ i7 | Single Intel® Quad Core™ i7 |
| Memory | 16 GB DDR3 | 16 GB DDR3 | 8 GB DDR3 | 8 GB DDR3 |
| Hard Disk | 500 GB SSD; RAID option | 500 GB SSD; RAID option | 500 GB SSD; RAID option | 500 GB SSD; RAID option |

| Control | | | | |
| Network | 2x Ethernet TCP/IP 10/100/1000Base-T | 2x Ethernet TCP/IP 10/100/1000Base-T | 2x Ethernet TCP/IP 10/100/1000Base-T | 2x Ethernet TCP/IP 10/100/1000Base-T |
| Network Type | | | | |
| Input/Output | | | | |
| Inputs | DVI: up to 1920x1200 @ 60Hz, 2560x1600 @ 30Hz | HDMI: up to 4096x2160 @ 60 Hz | S-Video: NTSC/PAL/SECAM Composite: NTSC/PAL/SECAM SDI: 1920x1080 @ 60 Hz | IP: up to 12x 1920x1080 @ 30 Hz, 1x 3840x2160 @ 60Hz, or 2x 3840x2160 @ 30Hz or equivalent via each GO IP4K card IP: up to 9 simultaneous 1920x1080 @ 30 Hz or other equivalent data rate via chassis CPU |
| Output Type | DVI: up to 2048x1152 @ 60Hz, 2560x1600 @ 30Hz | HDMI: up to 3840x2160 @ 30 Hz | DP: up to 4096x2160 @ 60 Hz |
| Output Number | 16 max | 24 max | 40 max | 56 max |

*Specifications subject to change.*

Power consumption depends on specific configuration.

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**Model GO 16**

**Model GO 28**

**Model GO 40 / 56**