

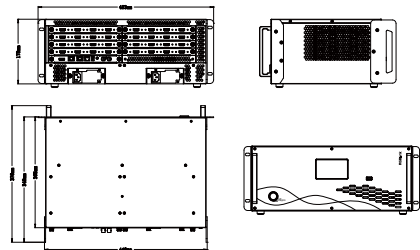
Model		Q16pro 2U (preliminary)		Q16pro 4U		Q16pro 8U (preliminary)		Q16pro 14U (preliminary)		
Specification		2U		4U		8U		14U		
Input Slots		3		4		10		20		
Output Slots		2		4		10		20		
Shared Slots		nonsupport		Output slot No.1~No.4		Output slot No.1~No.8		Output slot No.1~No.18		
Physical	Net Weight	6.0kg		8.5kg		15.0kg		20.0kg		
	Package Weight	9.7kg		12kg		20.0kg		25.0kg		
	Net Dimension	483.4x377x89mm		483.4mm x 446mm x 178mm		488x370x355.6mm		485x310x560mm		
	Package Dimension	630x585x250mm		630mm x 585mm x 250mm		665x525x495mm		665x525x495mm		
Physical	Input Connectors	Optional	DVI (preliminary)		4xDVI-I (Compatible HDMI/DVI/VGA/YPbPr/CVBS)		SDI (SD/HD/3G) (preliminary)		8xBNC(4 In 4 Loop)	
			DVI (preliminary)		4xDVI-I		HDBaseT (preliminary)		4xRJ45	
			HDMI 1.3		4xHDMI-A		H.265 (preliminary)		2xRJ45	
			DP1.2   HDMI2.0 (preliminary)		2xDP   2xHDMI-A					
	Output Connectors	Optional	DVI (preliminary)		4xDVI-I (Compatible VGA)		HDMI2.0 (preliminary)		2xHDMI-A	
			HDMI1.3		4xHDMI-A		HDBaseT (preliminary)		4xRJ45	
			SDI (preliminary)		4xBNC					
	Communication Connectors	Optional	Genlock		2xBNC (1 In   1 Loop)		LAN		1xRJ45	
			RS232		1xRJ11		PVW		1xHDMI-A	
	PVW Connectors	Optional	H.265		1xRJ45					
HDMI			2xHDMI-A		Dante		1xRJ45			
Dante Backup			1xRJ45							
Connectors	Input Resolutions	Select from below or configure customized								
		HDBaseT								
		SMPTE		720p@50/60 1080p@30/50/60						
		VESA		800×600@60   1024×768@60   1280×768@60   1280×1024@60   1600×1200@60   1920×1080@60						
		H.264/H.265								
		SMPTE		720p@50/60 1080p@30/50/60 2160p@30						
		DVI   HDMI 1.3								
		SMPTE		720x480p@60   720x576p@50   1280x720p@23.98/24/25/29.97/30/50/59.94/60   1920x1080i@50/59.94/60   1920x1080p@24/25/29.97/30/50/59.94/60   Custom						
		VESA		800x600p@60/75/85   1024x768p@60/75/85   1280x800p@60   1280x1024p@60/75/85   1360x768p@60   1366x768p@60   1440x900p@60   1400x1050p@60   1680x1050p@60   1920x1080p@60   1920x1200p@60   Custom						
		SDI (SD/HD/3G)								
		SMPTE		720p@50/60   1080p@23.94/24.97/25/30/50/60  1080i@50/60						
		DP 1.2   HDMI 2.0								
	Output Resolutions	SMPTE		720p@50/60 1080p@30/50/60 2160p@60						
		VESA		800×600@60   1024×768@60   1280×720@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1400×1050@60   1600×1200@60   1680×1050@60   1920×1080@60   1920×1200@60   3840×2160@30/60						
		Select from below or configure customized								
		DVI   HDMI1.3								
		SMPTE/ VESA		1024x768p@60   1280x720p@50/59.94/60   1280x800p@60   1280x1024p@60   1360x768p@60   1366x768p@60   1400x1050p@60   1440x900p@60   1600x1200p@60   1680x1050p@60   1920x1080p@23.98/24/25/29.97/30/50/59.94 /60   2560x816p@60   2048x1152p@60   Custom						
		HDBaseT								
		SMPTE		720p@50/59.94/60   1080p@50/59.94/60						
		VESA		1024×768@60  1280×1024@60   1920×1080@25/30/50/59.94/60						
	SDI (SD/HD/3G)									
	SMPTE		720p@50/60   1080p@23.98/29.97/25/30/50/59.94/60   1080i@50/59.94/60							
	HDMI2.0									
	SMPTE		720p@50/60   1080p@30/50/60   2160p@30/60							
	VESA		1024×768@60   1280×720@60   1280×768@60   1280×800@60   1280×1024@60   1360×768@60   1440×900@60   1920×1200@60   3840×570@60   2560×1600@60/120   3840×2160@30/60							
	Supported Standard	SDI	3G		H.265		DVI		DVI-1.0	
		HDMI	2.0		HDBaseT		1.0		DP	
	Power	Input Voltage	AC 100V-240V, 50/60Hz ( 2U supports single power supply module, 4U and above supports double power supply module.)							
	Working Environment	Temperature	0°C~45°C							
		Humidity	15%~85%, RH							
Temperature		0°C~55°C								
Working Environment	Humidity	5%~85%, RH								

Order Codes

Product Code	Item
710-1002-06-0	Q16pro 2U (preliminary)
710-1002-01-1	Q16pro 4U (Communication Module Included)
710-1002-01-0	Q16pro 4U (Communication Module with PVW Included)
710-1002-07-0	Q16pro 8U (preliminary)
710-1002-08-0	Q16pro 14U (preliminary)
790-1002-01-0	Q Series Quad HDMI 1.3 Input Module
790-1002-02-0	Q Series Single IP Input Module (preliminary)
790-1002-03-0	Q Series Quad HDMI 2.0 & DP 1.2 Input Module (preliminary)
790-1002-04-0	Q Series Quad 3G SDI (LOOP) Input Module (preliminary)
790-1002-05-0	Q Series Quad DVI Input Module (preliminary)

Product Code	Item
790-1002-21-0	Q Series Quad HDMI 1.3 Output Module
790-1002-22-0	Q Series Communication Module with PVW
790-1002-23-0	Q Series Dual HDMI 2.0 Output Module (preliminary)
790-1002-24-0	Q Series Communication Module
790-1002-25-0	Q Series Quad 3G SDI Output Module (preliminary)
790-1002-26-0	Q Series Quad DVI Output Module (preliminary)
790-1002-27-0	Q Series Single IP Output Module (preliminary)
790-1002-30-0	Q Series PVW Module with Dante (preliminary)
950-1004-01-0	Q Series 300W Redundant Power Module

Dimensions



HDMI HDCP™

Proudly designed and manufactured in Xiamen Hi Technology Zone, China  
WEB: [www.rgblink.com](http://www.rgblink.com) EMAIL: [sales@rgblink.com](mailto:sales@rgblink.com) PHONE: +86 592 5771197



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# Q16 pro

Multi-Window splicing processor  
for LCD & LED Videowall





Q16pro is a high-performance video image processing system and high-performance video splicing server using pure hardware and leading-edge FPGA processing architecture. Offering a range of input and output signals via a card-based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16pro is a stable high-performance platform that can be deployed in varied applications including corporate and visual messaging as well in retail and digital signage applications The Q16pro models allow connection of 4K video sources as well as output to 4K, with outputs offering multi-screen and multi-layer capabilities. A host of features are built in to Q16pro, including EDID management, 3D image processing, and highly configurable OSD features at high-definition.

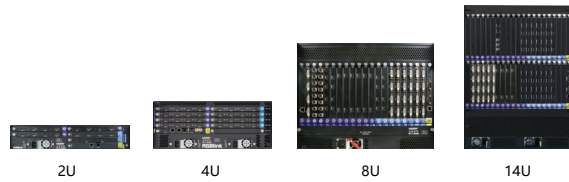
### Multi- Layer Multi-Window

Q16pro offers up to 8 2K windows or four 4K windows per output slot. Layer resources able to be freely used across any of the outputs within a slot for maximum availability and efficiency, including combinations of both 2K and 4K layer windows. Q16pro layering allows multi-window applications for large scale and spanning multiple display outputs.



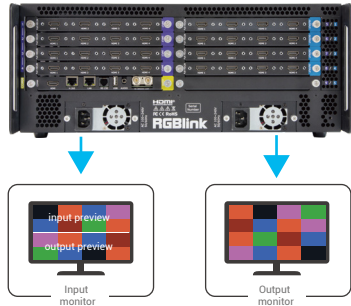
### Frame Sizes for Every Scale

Q16pro models range from the compact 2U through to 14U with up to 80 inputs and 80 outputs with common modules across the range. Q16pro is truly scalable for even the largest applications .



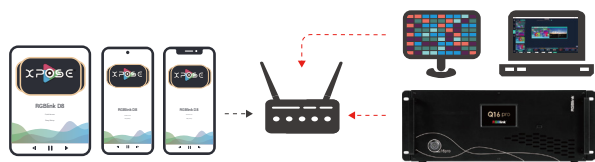
### Input and output preview

Equipped with 2 high-definition multi-screen monitoring output interfaces, it can monitor 16 input or 16 output at the same time. Among them, 16 input source preview supports 4/9/16 screen division.



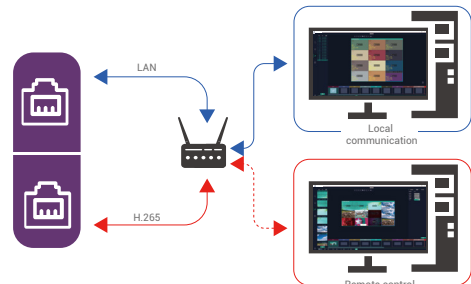
### Take Control

Configure and control Q16pro devices from the acclaimed RGBlink XPOSE apps for laptop/desktop and mobile devices.



### Dual network communication

Supports dual network communication: it has 1 local communication network port and 1 remote control port. In addition to remote control, the remote control port also has H.265 media remote control and monitoring functions.



### OSD Dynamic Titles

Customised text in almost any format can be overlayed on output displays. The facility supports static and dynamic arrangements including scrolling messaging.



### 3D stitching

Scale and deliver 3D signals for 120Hz interpolated signals with internal frame-lock synchronization. Segmentation and fusion are completely seamless. Single key switching is available to transition between 2D and 3D on demand.



### Dante volume monitoring

Dante audio technology integrates the media and control of your entire system into a standard network, and realizes real-time volume monitoring of 16 channels and 32 channels. Eliminates bulky and expensive analog wiring and replaces it with cheap and very common CAT5e, CAT6 wires for a simple, lightweight and economical solution



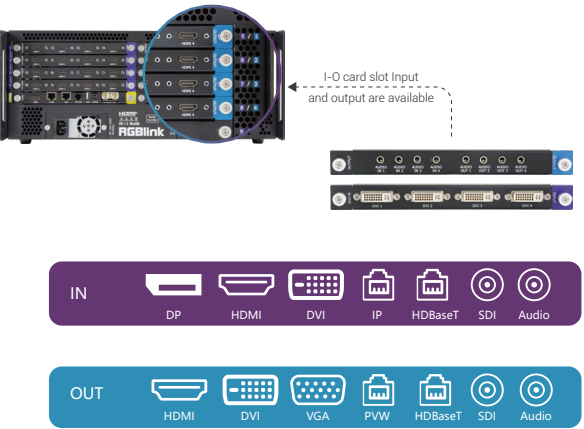
### High Performance Lossless 4K Processing

Q16pro not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed RGBlink.



### Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.



### Configurable Audio Delivery

Both embedded and external/insert audio sources may be embedded to any output as well as be switched a part of video presets.

