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# Application Note Graphite Modules/Host Environment Operating Temperature Range



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## **Abstract**

This application note provides guidance in determining the prevailing operating temperature range of the listed products when considering the Graphite Module and Host device used in a product application.

## **Products**

Red Lion Controls Graphite Modules Series (refer to Table 1.)



Red Lion Controls Graphite HMI host devices (refer to Table 1.)

Other vendor Hosts (refer to Table 1.)

## **Use Case/ Problem Solved**

Graphite Module hardware and Host device operating temperature ranges vary. The operating temperature range that applies to your product application is determined by the temperature range of the Host used with the Graphite Module. The operating temperature ranges correlated in Table 1 provides for an easy determination of the applicable operating temperature range for your product use.

TABLE 1.

GRAPHITE MODULES AND EXPANSION RACKS			GRAPHITE HOST DEVICE	
MODEL	POWER	OPERATING TEMPERATURE RANGE	HMI	CONTROLLERS
GMINI800	1.4 W	-40 to 75 °C		
GMINV800	1.4 W	-40 to 75 °C		
GMRTD600	1.4 W	-40 to 75 °C		
GMTC8000	1.4 W	-40 to 75 °C		
GMUIN400	1.8 W	-40 to 75 °C		
GMP2S000	2.0 W	-40 to 75 °C		
GMP2SM00	2.0 W	-40 to 75 °C		
GMP1SA00	2.6 W	-40 to 75 °C		
GMP1SM00	2.6 W	-40 to 75 °C		
GMDIOS00	2.6 W	-40 to 75 °C		
GMP2R000	2.7 W	-40 to 70 °C		
GMP2RM00	2.7 W	-40 to 70 °C		
GMP1RA00	3.3 W	-40 to 70 °C		
GMP1RM00	3.3 W	-40 to 70 °C		
GMDIOR00	3.6 W	-40 to 70 °C		
GMSG10S0	4.9 W	-40 to 75 °C		
GMSG11S0	4.9 W	-40 to 75 °C		
GMSG10R0	5.6 W	-40 to 70 °C		
GMSG11R0	5.6 W	-40 to 70 °C		
GMOU400	4.3 W	-40 to 70 °C		
GMCAN000	1.2 W	-40 to 75 °C		
GMDN0000	1.2 W	-40 to 75 °C		
GMJ19390	1.2 W	-40 to 75 °C		
GMPBDP00	2.6 W	-40 to 75 °C		
GMHSPA00	8.5 W	*		
GEXRACK1	13 W **	-40 to 75 °C		
GEXRACK2	13 W **	-40 to 75 °C		

\* Refer to the GMHSPA00 User Manual for Operating Temperature Specifications

\*\* This includes the modules.



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