

LCLS Magnet PLC Network Nodes

Magnet Control PLC Systems

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Hardware	
Manuf	Allen-Bradley
Model	1756-ENBT/A
No of LAN Ports	1
No of Serial Ports	1
Min LAN Speed	autonegotiate (max 100)
Total LAN Ports	10
Total Serial Ports	10
Serial Port Configuration	

PLC NVRAM Setup		
	Production	Development
Subnet	LCLSINST	LCLSDEV
Default Gateway	172.27.12.1	134.79.219.1
Subnet Mask	255.255.252.0	255.255.252.0
DNS 1	134.79.151.11	134.79.16.9
DNS 2		134.79.16.10
NTP server 1	134.79.151.11	134.79.18.40
NTP server 2		134.79.18.41
NTP server 3		134.79.18.34

Development Nodes				
Node Names	IP Addr	MAC Addr	Location	Contact
PLC-B15-MG01	134.79.219.17		b15	Briant Lam
LCLSDEV-54	134.79.219.99		b15r226	John Krzaszczak

Production Nodes				
Area	PLC Node Names	Touch Panel Nodename	Rack Location	Description
Injector	PLC-IN20-MG01	TP-LI20-MG01	LKG-0331	PS Protection SYS
LI24	PLC-LI24-MG01	TP-LI24-MG01		PS Protection Sys
LI24	PLC-LI24-MG02	TP-LI24-MG02		PS Protection Sys
LI25	PLC-LI25-MG01	TP-LI25-MG01		PS Protection Sys
LI25	PLC-LI25-MG02	TP-LI25-MG02		BXKIK

LI26	PLC-LI26-MG02	TP-LI26-MG01		PS Protection Sys
LI27	PLC-LI27-MG02	TP-LI27-MG01		PS Protection Sys
LI28	PLC-LI28-MG02	TP-LI28-MG01		PS Protection Sys
LI29	PLC-LI29-MG02	TP-LI29-MG01		PS Protection Sys
LI30	PLC-LI30-MG02	TP-LI30-MG01		PS Protection Sys
BSY	PLC-BSY0-MG01	TP-BSY0-MG01		PS Protection Sys
LTU	PLC-LTU0-MG01	TP-LTU0-MG01		PS Protection Sys
LTU	PLC-LTU0-MG02	TP-LTU0-MG02		BYKIK
LTU	PLC-LTU1-MG01	TP-LTU1-MG01		PS Protection Sys
LTU	PLC-LTU1-MG02	TP-LTU1-MG01		PS Protection Sys
UND	PLC-UND1-MG04	TP-UND1-MG01		PS Protection Sys
Dump	PLC-DMP1-MG01	TP-DMP1-MG01		PS Protection Sys

The EPICS device name is the same as the node name with the "." replaced with ":"