

SMP DASHBOARD

LIVE SYSTEM MONITORING & MAINTENANCE

IP	Name	Type	SysName	SW Version	FPGA Rev	IO (M)
192.168.73.32	TLX48Router2RU	TLX-482RU-UBU-PRI	V5.9.7	1.00.0c	1-2	
192.168.73.72	TLX80Router	TLX-80-UBU-PRI	V5.9.7	1.02.0f	1-7,9	
192.168.73.75	TLX160Router	TLX-160-UBU-PRI	V5.9.7	1.00.0f	1-10	
192.168.73.85	TLX320Router	TLX-320-UBU-PRI	V5.9.7	0.00.0d	1-20	
192.168.73.95	TLX80Router	tlx80-pri-ubu-195	V5.09.06	1.00.0d	1-8,1	
192.168.73.107	TLX48Router	TLX-48-UBU-PRI	V5.9.7	0.00.0d	1-3	

LIVE SYSTEM VISIBILITY

The Dashboard provides a live, at-a-glance view of Matrix and extender activity. It gives administrators quick access to critical system information for troubleshooting, performance verification, and operational readiness.

KEY CAPABILITIES

LIVE EXTENDER MONITORING

Continuously updates extender data in the background, providing clear monitoring while maintaining operational continuity. Operators can filter and organize ports for faster troubleshooting.

SYSTEM HEALTH & ENVIRONMENTAL STATUS

Monitors temperature, signal status, and link health to help identify issues before they impact performance.

ALARM TRACKING & EVENTS

Displays active alarms with timestamps and history, allowing operators to efficiently identify and respond to system issues.

TRANSMITTER & RECEIVER CONTROLS

View and adjust key extender settings, including DDC mode, Intuitive Mouse, OOB, Collaboration, Autologout, and PPC Halt.

FIRMWARE MANAGEMENT

Upload and deploy firmware updates to supported extenders directly through the SMP interface.

SYSTEM ADVANTAGES

- Live insight into system and extender status
- Faster troubleshooting with active diagnostics
- Early detection of signal, link, and temperature issues
- Reduced downtime through proactive alerts
- Centralized firmware management

SUPPORTED DASHBOARD FEATURES

ALARM MONITORING

Active alarms appear instantly with port, time, and error type. Easily sort and prioritize issues for faster diagnosis.

Temp	LOS	TxPwr	RxPwr	Uptime	Alarm	Last Alarm	Last Connection
30C	↗	↗	↗	63.0d	fail		20:12:52 10/02
27C	↗	↗	↗	17.1d	fail	HW Alarms	
29C	↗	↗	↗	56.9d	ok	switchHardwareAlarmCPU	
32C	↗	↗	↗	21.9d	ok		18:40:23 11/26
29C	↗	↗	↗	46.5h	ok		22:13:11 12/03

SETTINGS

View and modify supported extender settings from a centralized interface for faster configuration and troubleshooting

Port	Src Name	Portname	Product ID	Serial	M1
A_1(R)	ALPHA-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-U00E40	Basalt_Obv_44	✓
A_2(R)	ALPHA-2	VidA(R)			✓
A_3(R)	BRAVO-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-K00E20	T-MBAW-93	✓
A_4(R)	CHARLIE-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-U00E10	HQ_LABTEST	✓
A_5(R)	CHARLIE-2	VidA(R)	TLX-TMM-S00E20	MBT-MB92	✓
A_6(R)	ICT18A1-4	VidA(R)/Kbs(R)/Aud(R...	ICT-XMF-C00064	MASER_N1-00	✓

FIRMWARE UPDATES

Identify compatible extenders and apply updates from a centralized location.

Port	Src Name	ID	FPGA Rev	FPGA Images
A_1(T)	ALPHA-1	0105	1.0d.04	/opt/tl/updates/Firmware/2VID_KVM
A_3(T)	BRAVO-1	002c	1.0d.11	/opt/tl/updates/Firmware/1VID_HID
A_4(T)	CHARLIE-1	0103	1.0d.02	/opt/tl/updates/Firmware/1VID_KVM
A_6(T)	ICT18A1-4	0185	2.01.00	/tmp/tlx_ict_tx_fpga_01_2_1_00_20

STATUS MONITORING

MATRIX

Provides active diagnostic data from the Matrix Switch, including port activity, signal status, temperature, alarms, and controller roles.

TX	RX	MTX	EXPORT REFRESH																
IP	Name	Type	SysName	SW Version	FPGA Rev	I/O Installed	Primary Ctrl	Backup Ctrl	PwrS	Active Ports	Ports	Temp	LOS	TxPwr	RxPwr	Uptime	Alarm	Last Alarm	Last Connection
192.168.13.241	A	TLX48Router2RU	imxswitch	V5.09.06	1.00.0b	1,2	active		2	8	48	28C	↕	↕	↕	42.0d	ok		21:19:22 11/19
192.168.73.32		TLX48Router2RU	TLX-482RU-UBU-PRI	V5.9.7	1.00.0c	1,2	active		2	11	48	31C	↕	↕	↕	7.0d	ok		04:50:26 11/19
192.168.73.72		TLX80Router	TLX-80-UBU-PRI	V5.9.7	1.02.0f	1-7,9,10,13,15,16	active	standby	2	0	80	32C	↕	↕	↕	34.0d	ok		20:10:57 10/16
192.168.73.75		TLX160Router	TLX-160-UBU-PRI	V5.9.7	1.00.0f	1-10,13,16	active	standby	2	1	160	30C	↕	↕	↕	6.9d	ok		10:38:47 11/16
192.168.73.85		TLX320Router	TLX-320-UBU-PRI	V5.9.7	0.00.0d	1-20	active	standby	2	320	320	27C	↕	↕	↕	8.1d	ok		19:23:16 11/11
192.168.73.95		TLX80Router	tlx80-pri-ubu-195	V5.09.06	1.00.0d	1-8,16	active		2	4	80	28C	↕	↕	↕	14.0d	ok		18:16:16 11/19
192.168.73.107		TLX48Router	TLX-48-UBU-PRI	V5.9.7	0.00.0d	1-3	active	standby	2	48	48	28C	↕	↕	↕	14.1d	ok		18:31:07 11/05

TX	RX	MTX	EXPORT REFRESH																
IP	Name	Type	SysName	SW Version	FPGA Rev	I/O Installed	Primary Ctrl	Backup Ctrl	PwrS	Active Ports	Ports	Temp	LOS	TxPwr	RxPwr	Uptime	Alarm	Last Alarm	Last Connection
192.168.13.241	A	TLX48Router2RU	imxswitch	V5.09.06	1.00.0b	1,2	active		2	10	48	28C	↕	↕	↕	42.0d	ok		21:19:34 11/19
192.168.73.32		TLX48Router2RU	TLX-482RU-UBU-PRI	V5.9.7	1.00.0c	1,2	active		2	11	48	31C	↕	↕	↕	7.0d	ok		04:50:26 11/19
192.168.73.72		TLX80Router	TLX-80-UBU-PRI	V5.9.7	1.02.0f	1-7,9,10,13,15,16	active	standby	2	0	80	32C	↕	↕	↕	34.0d	ok		20:10:57 10/16
192.168.73.75		TLX160Router	TLX-160-UBU-PRI	V5.9.7	1.00.0f	1-10,13,16	active	standby	2	1	160	30C	↕	↕	↕	6.9d	ok		10:38:47 11/16
192.168.73.85		TLX320Router	TLX-320-UBU-PRI	V5.9.7	0.00.0d	1-20	active	standby	2	320	320	27C	↕	↕	↕	8.1d	ok		19:23:16 11/11
192.168.73.95		TLX80Router	tlx80-pri-ubu-195	V5.09.06	1.00.0d	1-8,16	active		2	4	80	28C	↕	↕	↕	14.0d	ok		18:16:16 11/19
192.168.73.107		TLX48Router	TLX-48-UBU-PRI	V5.9.7	0.00.0d	1-3	active	standby	2	48	48	28C	↕	↕	↕	14.1d	ok		18:31:07 11/05

TRANSMITTER AND RECEIVER

Monitors live extender status including signal presence, link health, temperature, and alarms, helping operators quickly isolate and resolve issues.

TX	RX	MTX	EXPORT REFRESH																
Port	Src Name	Portname	Product ID	Serial	M1	M2	Hide	Valid Vid	Board Temp	FPGA Temp	LS Conn	DDC	Int Ms	A Logout	SFP 1R	SFP 1T	SFP 2R	SFP 2T	
A_1(R)	ALPHA-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-U00E40	SUPPORT07	✓		X	DP:1,2	56C	70C	no	STATIC	✓		599µW	601µW	2µW		
A_2(R)	ALPHA-2	VidA(R)			✓		X												
A_3(R)	BRAVO-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-K00E20	LAB-Backup	✓		X		60C	71C	no	DYNAMIC			2µW	540µW	2µW		
A_4(R)	CHARLIE-1	VidA(R)/Kbs(R)/Aud(R...	TLX-TMM-U00E10	EdgeTest	✓		X		53C	63C	no	STATIC			2µW	632µW			
A_5(R)	CHARLIE-2	VidA(R)	TLX-TMM-S00E20	1301ENG	✓		X		52C	57C	no	STATIC			1µW	584µW	0µW		
A_6(R)	ICT18A1-4	VidA(R)/Kbs(R)/Aud(R...	ICT-XMF-C00064	10-180985	✓		X	HDMI:1,2,3,4	51C	68C	yes	STATIC			567µW	578µW	2µW	542µW	

TX	RX	MTX	EXPORT REFRESH																			
Port	Dst Name	Portname	Product ID	Serial	M1	M2	Hide	Valid Vid	Board Temp	FPGA Temp	LS Conn	OOB	Coll	Int Ms	SFP 1R	SFP 1T	SFP 2R	SFP 2T	SFP 3R	SFP 3T	SFP 4R	
A_14(R)	DESK 1-kbd	Kbd(R)	TLX-RMM-U00E40	Training01	✓		X	1:yes 2:yes	65C	84C	yes	✓			636µW	513µW	2µW		610µW		2µW	
A_42(R)	CAC Test	!PIVd(R)	TLX-RMM-U00001	RackA03	✓		X	1:yes 2:yes	46C	48C	no	✓	✓		2µW	543µW						

BENEFITS

- Directly verify signal integrity during troubleshooting or live operations
- Monitor system health continuously
- Support early detection of failing devices
- Verify active system and device status
- Customize views for focused diagnostics
- Simplify administration through an intuitive graphical interface