

E-IPA TO IPT / IRIS PANEL BASIC LATER 3 ROUTING

Requires a dedicated single enterprise network.

- LAN/ Campus/ Metro networks using (dark fibre or MPLS)
- Well provisioned network with Diffserv, QoS, DSCP mapping
- Using PTP aware (boundary clock) switches



The switch acting as the L3 router must also have the ARP proxying capabilities enabled. Otherwise, the AES67 packets might be routed incorrectly

Note : The Visible (mDNS) detail in EHX Monitoring page will say No, if mDNS is not routed across the network

These 2 requirements must be met across the whole network

Requirement #1 is for PTP OFM values for good RF roaming

Requirement #2 is maximum audio packet delay across the network (IPT or Iris panel)

Requirement #1

Requirement #2

PTP parameters	Value (range)	Performance
Offset from the master clock (OFM)	± 100 ns	Excellent
	± 500 ns	Potential for roaming issues
	± 1,000 ns	Issues with roaming likely
	> ± 1,000 ns	Cannot roam between transceivers and intermittent loss-of-lock issues
Packet travel time* + OFM	<ul style="list-style-type: none"> Packet time@ 125 µs > 2 ms 	No audio
	<ul style="list-style-type: none"> Packet time @ 1 ms > 20 ms 	