

Test 1 Date: 3/28/2019

Configuration:

50mSmin/max connection interval, MTU=247, PHY=2M

Throughput (connection and direction. B=bridge, N=node)

Bridge is central (client), nodes are peripherals (servers)

(bps)	1		2		3		4		5		Totals by direction		Total
Nodes	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	
1	649584	648505									649584	648505	1298089
2	0	260266	618700	519840							618700	780106	1398806
3	0	247904	0	208864	627652	469795					627652	926563	1554215
4	9521	140240	0	155383	290909	254664	341258	255163			641688	805450	1447138
5	0	136640	0	114595	263250	225925	9295	139982	295533	226187	568078	843329	1411407

Test 2 Date: 3/29/2019

Configuration:

100mSmin/max connection interval, MTU=247, PHY=2M

Throughput (connection and direction. B=bridge, N=node)

(bps)	1		2		3		4		5		Totals by direction		Total
Nodes	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	
1	649584	648505									649584	648505	1298089
2	0	260910	619682	520533							619682	781443	1401125
3	0	251808	0	210738	621656	466985					621656	929531	1551187
4	0	132736	0	152469	0	154479	610954	414877			610954	854561	1465515
5	0	131421	0	113623	0	128625	0	138873	652842	392361	652842	904903	1557745

Test 3 Date: 3/29/2019

Configuration:

250mSmin/max connection interval, MTU=247, PHY=2M

Throughput (connection and direction. B=bridge, N=node)

(bps)	1		2		3		4		5		Totals by direction		Total
Nodes	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	
1	N/T	N/T									0	0	0
2	0	257045	618700	519840							618700	776885	1395585
3	N/T	N/T	N/T	N/T	N/T	N/T					0	0	0
4	N/T	N/T	N/T	N/T	N/T	N/T	N/T	N/T			0	0	0
5	0	129469	0	110710	0	128403	0	138873	655033	391967	655033	899422	1554455

N/T = Not Tested

Test 4 Date: 3/29/2019

Configuration:

50mSmin/max connection interval, MTU=247, PHY=1M

Throughput (connection and direction. B=bridge, N=node)

(bps)	1		2		3		4		5		Totals by direction		Total
Nodes	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	
1	258885	260093									258885	260093	518978
2	0	0	272245	265397							272245	265397	537642
3	0	0	0	0	260440	262013					260440	262013	522453
4	240838	241285	0	0	0	0	0	0			240838	241285	482123
5	0	0	0	0	0	0	0	0	333105	339183	333105	339183	672288

Test 5 Date: 3/29/2019

Configuration:

50mSmin/max connection interval, MTU=247, PHY=2M

Limited buffers in central and peripheral to max 1 prepared write and queued outgoing ATT PDU

Throughput (connection and direction. B=bridge, N=node)

(bps)	1		2		3		4		5		Totals by direction		Total
Nodes	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	B<-N	B->N	
1	145998	889293									145998	889293	1035291
2	0	258978	147990	688536							147990	947514	1095504
3	0	243516	0	129851	145617	596941					145617	970308	1115925
4	0	130784	0	152469	0	154992	145726	520533			145726	958778	1104504
5	0	128791	82652	117408	15309	107610	0	118479	146546	464209	244507	936497	1181004