

## Summary of the State of UCInet Infrastructure (academic buildings only)

11/21/07

School	End-user Connectivity			Wireless		Building Connectivity			
	% of Bldg with ports >=100MB	% of Bldg with 100% Cat5/6 Cable	No. of OLD switches (C1900)	% of Bldgs with 100% wireless Coverage	% of Bldg with No wireless Coverage	% of Bldg with 10GE Uplinks	% of Bldg with >=1GE Uplinks	No. of OLD switches (C5500)	% of Bldg with VoIP
School of the Arts	100%	100%	0	7%	8%	0%	100%	0	0%
School of Biological Sciences	90%	90%	5	60%	10%	0%	80%	0	10%
School of Business	89%	100%	3	100%	0%	0%	100%	0	0%
Department of Education	91%	100%	3	100%	0%	0%	100%	0	0%
School of Engineering	50%	100%	21	29%	0%	0%	88%	3	14%
College of Health Sciences	91%	83%	19	9%	43%	0%	100%	2	4%
School of Humanities	43%	71%	28	43%	0%	0%	100%	0	14%
School of Information & Computer Science	100%	50%	0	50%	0%	25%	75%	0	25%
School of Physical Sciences	100%	100%	0	100%	0%	0%	50%	3	25%
School of Social Ecology	50%	50%	8	0%	0%	0%	100%	0	0%
School of Social Sciences	71%	100%	28	14%	14%	0%	57%	0	0%
Calit2	100%	100%	0	100%	0%	100%	100%	0	100%
<b>State of Overall Academic Buildings (84)</b>	<b>85%</b>	<b>90%</b>		<b>31%</b>	<b>14%</b>	<b>4%</b>	<b>87%</b>		<b>10%</b>
<b>Total</b>			<b>115</b>					<b>8</b>	

### Notes:

100MB = 100 Megabit/second (Mbps) - For comparison, DSL/Cable typically delivers 3-10 Mbps although capable of higher speeds

Cat5/6 = Category 5 or 6 is the type of cable required for high-speed data communications (some locations have Category 3)

Old C1900 Cisco switches provide 10 Mbps connections and lack modern network management capability

Wireless coverage has been implemented using a combination of campus funding and departmental cost-sharing

Uplink = the connection between buildings and UCI's network backbone

10GE = 10 gigabit/second Ethernet (the speed of UCI's network backbone)

1GE = 1 gigabit/second Ethernet (some building uplinks are 100Mbps)

Old C5500 building switches are no longer supported by Cisco and are performance bottlenecks

VoIP = Voice over Internet Protocol (telephone service over the network)