Summary of Commands

Note: An asterisk (*) after a command means that the command is supported by both models; otherwise, it is for Model 1 only.

Command	Sub-command 1	Sub-command 2
bootp		
clear	access_control_list	
	arp_cache	
	bootp_result	
	community	
	counter	802.5, mib2_interface
	event_script	
	group*	name, port
	login*	
	rmon	alarm, counter, event, history, host_all, matrix_all, ringstation_all, topN_hosts
	schedule	
	security*	intruder_list, port
	tr_surrogate_rem_ soft error	
	trap_community	
	trap_log*	
display	access_control_list	
	bootp	
	clock	
	community	
	counter	802.5, mib2_interface
	event_script	
	group*	
	hub*.	
	inventory*	
	ip	address, arp_cache
	login*	
	management_interface	
	network_map*	all_stations, hub, local_stations, mac_address, port
	port*	
	ring_io	
	rmon	alarm_data, control, event_data, group_status, history_ml_data, history_p_data, host_data, log_data, matrix_data, ringstation_data, statistics_data, topn_hosts_data
	schedule	
	scripts*	
	security*	intruder_list, port
	stack*	
	terminal*	
	tr_surrogate	crs_station, crs_status, rem_error_mac_frame, rem_isolating, rem_last_beacon, rem_last_soft_error, rem_noniso_threshold_excd, rem_status, rem_total_noniso_ soft_error, rps_status, surr_status
	trap_log*	
	trap_settings*	
	wrap_points*	
enable/ disable	bootp	
	group*	
	port*	
	port_setting*	8228_mode, speed_detect, traps
	purge_on_insert*	
	ring_io	in, out, both
	rmon	alarm, all, event, history, host, matrix, ringstation, statistics_mac_layer, statistics_promiscuous, statistics_sourcerouting, topN_hosts
	schedule	
	security_port*	
	tr_surrogate	crs_traps, rem_status, rps_traps, surr_status
	trap_setting*	authentication, console_display*, control_io_status_up_down*, data_io_status_up_down*, security_intruder*, multiple_users, port_up_down*, ring_io_status_ up_down, rmon, script
help*	help_on_keys	
	setting_up_ip_ information	
	displaying_status	
	modifying_connecting_ attaching	
load*	configuration	
	operational_code	
	script	
logout*		
ping		
replicate	clock	
	login	
	operational_code	
reset_hub*		
restore_to_ factory_ default*		
retrieve*		
save*		
script*	*n* add	
	n clear	
	n copy_to	
	n delete	
	n edit	
	n insert	
	n list	
	n name	
	n replace	
	n run	
set	access_control_list	
	bootp_server	
	clock	
	community	administrator, user
	event_script	
	group*	name, port
	hub*	beacon_threshold, change_hub_id, renumber_hub_ids, ring_speed, speed_threshold
	ip	
	login*	administrator, password, user
	management_interface	802.5_group, active_monitor_ partic-ipation, administrative_mode, arp_ resolve_method, diagnostics_wrap, early_token_release, locally_ admin_address, mac_address_type, rmon2_mode, rps_traps, surrogate_group, system_contact, system_location, system_name
	rmon	alarm, event, history_control, topn_hosts
	schedule	script, interval, month_periodic, date, day_periodic,
	security_port*	action_on_intrusion, capture, mac_address
	terminal	baud*, prompt*, timeout
	tr_surrogate	crs_station, segment_number
	trap_community	all, ibm8239, rmon/mib2, tr_surrogate
wrap/ unwrap	control_io*	in, out, both
	data_io*	in, out, both
	ports_io*	expansion, isolate, main
	ring_io	in, out, both

Power Indicator

LED	State	Meaning
Green	On	8239 is receiving power.
	Off	8239 has no power or there is a failure.

Box Status

Green	Yellow	Meaning
On	Off	Unit operational
Off	On	DRAM test running
On	On	Unit not operational
Blk	Blk	POST or boot code is running
On	Blk	Unit is executing beacon recovery
Off	Off	Unit not operational

POST Codes

Display	Action
A, B, C, D, E, F, G, H, N, O, no display	Replace the base unit.
I, J	Replace the RI/RO Module.
M	Replace the 16-Port Exp. Adapter.

Model 1 Operational Codes

Msg #	Type	Text	Meaning
01	I	Hub Up	8239 operational
02	E	Hub Down	8239 not operational
03	E	Version Mismatch	Code version mis-match
04	I	RI/RO *wrap status*	RI/RO wrap status
05	I	DI/DO *wrap status*	Date In/Data Out wrap status
06	I	CI/CO *wrap status*	Control In/Control Out wrap status

Stack In Status

Green (Data In)	Yellow (DI/CI Status)	Green (Control In)	Meaning
On	Off	On	Normal
Blk	Off	On	No faults detected; DI wrapped by system administrator.
On	Off	Blk	No faults detected. CI wrapped by system administrator.
Blk	Off	Blk	No faults detected. DI and CI wrapped by system administrator.
Off	On	On	Fault in DI; DI wrapped.
Off	On	Off	Fault in both DI and CI; both are wrapped.
Off	On	Blk	Fault in DI; DI wrapped; CI wrapped.
On	On	Off	Fault in CI; CI wrapped.
Blk	On	Off	Fault in CI; CI wrapped; DI wrapped.

Ring Speed

LED	State	Meaning
Green	On	16 Mbps
	Off	4 Mbps

RI/RO Status

LED	State	Meaning
Green	On	RI/RO is inserted
	Off	RI/RO is not inserted
	Blk	RI/RO is administratively disabled by system administrator
Yellow	On	RI/RO is disabled due to beaconing
	Off	RI/RO is OK

Stack Out Status

Green (Data Out)	Yellow (DO/CO Status)	Green (Control Out)	Meaning
On	Off	On	Normal
Blk	Off	On	No faults detected; DO wrapped by system administrator.
On	Off	Blk	No faults detected. CO wrapped by system administrator.
Blk	Off	Blk	No faults detected. DO and CO wrapped by system administrator.
Off	On	On	Fault in DO; DO wrapped.
Off	On	Off	Fault in both DO and CO; both are wrapped.
Off	On	Blk	Fault in DO; DO wrapped; CO wrapped.
On	On	Off	Fault in CO; CO wrapped.
Blk	On	Off	Fault in CO; CO wrapped; DO wrapped.

Port Status

LED	State	Meaning
Green	On	Port is active and operational
	Off	Port is not inserted
	Blk	Port is administratively disabled by system administrator
Yellow	On	Port is disabled due to wrong speed or beacon error
	Off	Port is OK
	Blk	Port is administratively disabled due to security violation or threshold exceeded
Yellow and Green	Blk	POST is being performed
	On	Port failed diagnostics

Important Names and Numbers

Contact Name	Telephone Number
System Administrator:	
Service Representative:	

WEB SITE: http://www.networking.ibm.com/support