

Quantar to Quad Port Radio Card  
Interface and configuration

RJ-45	Pullup?	Function	Color	Function	PIN	PIN	Function	Color	Function	Pullup?	RJ-45
7		Tx Audio	Blue/White	TX +	1	26	TX -	White/Blue	Ground		8
1		RX audio	Orange/White	RX +	2	27	TX -	White/Orange	Ground		8
					3	28					
					4	29					
					5	30					
					6	31					
8		Ground	Orange/Red	Ground	7	32	Ground	Red/Orange	Ground		8
		5v for pullup	Green/Red	+5V (1A)	8	33	+14.2V (1A)	Red/Green	NC		
					9	34					
					10	35					
	10k to 5v	NC	Blue/Black	AUX IN 1	11	36	AUX OUT 1	Black/Blue	ALRM	10k to 5v	3
	10k to 5v	NC	Orange/Black	AUX IN 2	12	37	AUX OUT 2	Black/Orange	PL/DPL	10k to 5v	6
					13	38					
					14	39					
					15	40					
					16	41					
					17	42					
2	10k to 5v	COR (+5v)	Green/Yellow	AUX OUT 7 RLY A	18	43	AUX OUT 7 RLY A	Yellow/Green	Input to relay	10k to 5v	
					19	44					
					20	45					
					21	46					
		10k to 5v	Orange/Violet	AUX 9, PTT + in	22	47	AUX 9, PTT -	Violet/Orange	PTT out		5
					23	48					
					24	49					
					25	50					

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Pullup resistors are required on outputs between +5v and the pcradio card input on the signal line

A switch on the PTT line (47) between the repeater and the pcradio card is helpful

Wild card tables are as follows

Table Name Function

1	COS	Setup COS to activate and enable audio on carrier squelch		
	State	RX CAR DETECT		
	Action	Set output	7	
	Action	RX Qual Force		
	Inaction	CLR output	7	
	Inaction	RX Qual Norm		
2	PTT	Key the transmitter from the wireline upon grounding 47		
	State	Input 9		
	Action	Key from WL		
	Inaction	Unkey from WL		
3	PL Active	If PL/DPL is matched, line 37 (out2) goes high		
	State	RX PL Detect		
	Action	Set output	2	
	Inaction	CLR output	2	
4	Alarm	If any alarm on station set 36 (out1) high		
	State	STN Alarm		
	Action	Set output	1	
	Inaction	CLR output	1	

This needs enhanced wildcard to work

If you only have 4 wire, set it to 8 wire on the config screen and then enhanced wireline, the functions will still work, with the exception of IO or anything that needs the hardware of the 8 wire board

Wildcard Setup		
Input	1-8	Low
Input	9-12	Low
Output	1,2	High
Output	3-10	Low