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The 9461-ET Ethernet Gateway Module

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Input Parameters Output Parameters Ui Ci Li Uo Io Po Co Lo

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The 9469-ET WLAN AP/Bridge

Description	Locatio
Optional Supply Input	Terminal T w.r.t. T3,
RJ45 Connecto with	or (10/100 Ba out PoEx
RJ45 Connecto Wit	or (10/100 Ba th PoEx
Ant	tenna A
Ant	tenna B

The 9466-ET 10/100 5-Port Switch

Loc.

Desc.

Description	Location	Input Parameters				Outp	ut Paran	neters	
		Ui	Ci	Li	Uo	Io	Po	Co	Lo
		()	(µF)	(mH)	(V)	(mA)	(mW)	(µF)	(mH)
Optional Input Power Supply	T1, T2 w.r.t. T3, T4	15.4	O	0	-	-	-	-	-
	T6 w.r.t. T10								
RS485/422	T7 w.r.t. T10	7.2	0	0	5.88	111	163	20	3.00
Port 3	T8 w.r.t. T10] /.2	0	0	J.66		103	20	3.00
	T9 w.r.t. T10			0 5.88 111 163 20 3.00					
	T11 w.r.t. T15								
RS485/422 Port 4	T12 w.r.t. T15	7.2	0	0	5.88	111	163		3.00
	T13 w.r.t. T15								
	T14 w.r.t. T15								
	Pin 9 w.r.t. Pin 5	0	0	0	5.88	188	276	20	2.26
TTL/RS232	Pin 3 w.r.t. Pin 5	5.88	0	o	5.88	16	24	20	138
Port 1; CON 1	Pin 4 w.r.t. Pin 5								
	Pin 7 w.r.t. Pin 5								
-	Pin 2 w.r.t. Pin 5	12.5	0	0	3.15	3.4	2.7	50	1000
	Pin 1 w.r.t. Pin 5		-						
	Pin 9 w.r.t. Pin 5	0	0	0	5.88	188	276	20	2.26
TTL/RS232	Pin 3 w.r.t. Pin 5							20	
Port 2; CON	Pin 4 w.r.t. Pin 5	5.88	0	0	5.88	16	24		138
2	Pin 7 w.r.t. Pin 5	L							
-	Pin 2 w.r.t. Pin 5	12.5	0	0	3.15	3.4	2.7	50	1000
	Pin 1 w.r.t. Pin 5								
RJ45 Connector (10/100 Base T) Without PoEx		15.4	0.075	0	supply	Refer to parameters of IS power supply connected to T1, T2 w.r.t. T3, T4 for the output parameters.			
	or (10/100 Base T) Ith PoEx	15.4	0.075	0	supply	connect	rameters ted to th ne outpu	e 9466	or 9468

The 9465-ET 10/100 Media Converter

Description	Location	Input P	'arameters		Output Parameters					
		Ui	Ci	Li	Uo	Io	Po	Co	LO	
		(V)	(µF)	(mH)	(V)	(mA)	(mW)	(nF)	(mH)	
Optional Supply Input	T1, T2 w.r.t. T3, T4	15.4	0	0	-	-	-	-	-	
Fibre-Optic transmitter		-	-	-	-	-	5 max	-	-	
RJ45 Connect Wit	15.4	0.075	0		Refer to parameters of IS power supply connected to T1, T2 w.r.t. T3, T4 for the output parameters.					
RJ45 Connect W	15.4	0.075	0	Refer to parameters of IS power supp connected to the 9466 or 9468 Modu for the output parameters.						

		(V)	(µF)	(mH)	~	(mA)	(mW)	(µF)	(mH)
Optional Supply Input	T1, T2 w.r.t. T3, T4	15.4	0	0	-	-	-	-	-
PoEx Supply Terminals*	T6 w.r.t. T7 T8 w.r.t. T9 T10 w.r.t. T11 T12 w.r.t. T13 T14 w.r.t. T15	15.4	0.075	0	-	-	-	-	-
Mini-DIN 8-way	Pin 5 w.r.t. Pins 4 & 8	12.5	0	0	3.15	3.4	2.7	50	1000
CON1 Manageme nt Port	Pins 1, 3 & 4 w.r.t. Pins 5 & 6	0	0	0	5.88	48	72	20	15
RJ45 ConnA 10/100 Base T 15.4 0.075 0					Refer to parameters of IS power supply connected to T6 w.r.t. T7 for the output parameters.				
	5 ConnB DO Base T	15.4	0.075	0	Refer to parameters of IS power supply connected to T8 w.r.t. T9 for the output parameters				
	5 ConnC DO Base T	15.4	0.075	0	Refer to parameters of IS power supply connected to T10 w.r.t. T11 for the outp parameters				
RJ45 ConnD 10/100 Base T		15.4	0.075	0	Refer to parameters of IS power supply connected to T12 w.r.t. T13 for the output parameters				
	5 ConnE DO Base T	15.4	0.075	0	Refer to parameters of IS power supply connected to T14 w.r.t. T15 for the output parameters				
* Not to be	used if PoEx is sup	plied at the	9468-ET	Module.					

The 9468-ET Ethernet Isolator Module

Description	Location	Um (Vac)	Ci (uF)	Li (mH)
Safe area supply input	T1, T2 w.r.t. T3, T4	253	0	0
RJ45 from safe area	-	253	-	-
10/100 Base T				

The 9468-ET may be connected to a single IS power supply at T14 and T15 if power-over-Ethernet (PoEx) is required through pins 4, 5, 7 & 8 of the RJ45 connectors unless PoEx is supplied at the 9466-ET Module.

Description	Location	Input Parameters			Output Parameters					
		Ui Ci Li		Uo	Io	Po	Co	Lo		
		(V)	(μF)	(mH)	(V)	(mA)	(mW)	(μF)	(mH)	
IS Power Supply (optional PoEx)*	T14 w.r.t. T15	15.4	0.075	0	-	-	-	-	-	
RJ45 to/from ha 10/100 Ba		15.4	0.075	0	Refer to parameters of IS power supply connected to T14 w.r.t. T15 for the output parameters					
* Power supply may only be connected if PoEx is not already connected at the 9466 Module. ** R145 Ethernet Port is intended for connection only to other R145 connectors on other 9400 Series Ethernet requires content of the provided in the instance in the section.										

Connection to other Ethernet systems requires special consideration and is outside the scope of this certificate, see installation drawing for connection details.

NOTE: RJ45 ETHERNET PORTS* ARE INTENDED FOR
CONNECTION ONLY TO OTHER 9400 SERIES MODULES

SHOWN ON THIS DRAWING.

*(With the exception of 9468-ET Safe Area port)

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CSI DRAWN : IAC DATE: 05/12/2009

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В

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n	Inpu	ut Parame	ters	Output Parameters							
	Ui	Ci	Li	Uo	Io	Po	Co	Lo (µH)			
	(V)	(µF)	(mH)	(V)	(mA)	(m₩)	(µF)				
1, T2 T4	12.8	0	0	-	-	-	-	-			
se T)	12.8	0.075	0	Refer to parameters of IS power supply connected to T1, T2 w.r.t. T3, T4 for the output parameters.							
se T)	12.8	0.075	0	Refer to parameters of IS power supply connected to the 9466 or 9468 Module for the output parameters.							
	-	-	-	-	-	500 max RF	-	-			
	-	-	-	-	-	500 max RF	-	-			

