



EMC Compliance Report, CE

Product: DANEO 400

Document number: OMC13-0005+E01-01
Document title: EMC Compliance Report CE+DANEO 400 CE+FCC

Reference Original Report: None

BSMI Authorisation No. SL2-IN-E-3001; SL2-R1/R2-E-3001, SL2-A1-E-3001
FCC Registration No. 90935
VCCI Registration No. C-2052, C-2053, C-2054, T-173, T-176, T-177, R-1907, G-186
KC Registration No. EU0061
VCCI Registration No. 1468

The results in this report apply only to the tested sample(s). Reproduction of this report except in its entirety is not permitted without written approval of:



Fujitsu Technology Solutions GmbH
Product Compliance Center
Buergermeister-Ulrich-Str. 100
86199 Augsburg, Germany

EUT: DANEO 400

TEST RESULT: Passed

EUT	Product Name:	DANEO 400
	Model:	DANEO 400
	Product Category:	
	Manufacturer:	OMICRON electronics GmbH
	Serial No.:	
	Revision No.:	
	Order No.:	OMC13-0005+E01

APPLICANT:	Customer:	OMICRON electronics GmbH
	Name:	Jochum
	Address:	Oberes Ried 1
	City:	6833 Klaus
	Country:	Austria
	Phone:	+43 5523 507 440

SIGNATURE:	Release Date:	Dec 05, 2013
	Test Engineer:	Michael Rößle
	Prepared by:	Michael Rößle Test Engineer 
	Reviewed by:	Johannes Drexl Test Engineer 

EUT: DANEO 400

1 Table of content

1	Table of content	3
2	Remarks, Statements and Protocol Table	4
2.1	Overview Emission	4
2.2	Overview immunity	5
3	Remarks, Statements and Protocol Table	6
3.1	Result Statement Details	6
3.2	Remarks on the individual tests	7
4	General information about this document	8
5	General information about this document	9
6	FCC related Data under the scope of an equipment verification:.....	10
7	General information about the test site	12
7.1	Measurement uncertainty	13
7.2	Measurement procedures and remarks	14
7.2.1	Conducted emission	14
7.2.2	Radiated emission	15
8	EUT (Equipment under test) information.....	16
8.1	Operating condition	16
8.2	Arrival date of the tested system.....	16
8.3	Configuration description	17
9	Technical data of EUT.....	18
9.1	Guaranteed values	18
9.2	Power supply	18
9.3	Analog measurement inputs	18
9.3.1	Magnitude accuracy.....	19
9.3.2	Phase and frequency accuracy	19
9.4	Binary inputs.....	19
9.5	Binary outputs	20
9.6	Ethernet ports	20
9.6.1	Control and network ports.....	21
9.6.2	Extension ports	21
9.7	USB.....	21
9.7.1	Control port	21
9.7.2	Storage port	21
9.8	Environmental conditions.....	21
9.9	Mechanical data of EUT	22
9.10	Block diagram of tested system	23
9.11	Photos of EUT	24
10	List of Attached Test Protocols	31

EUT: DANEO 400

2 Remarks, Statements and Protocol Table

2.1 Overview Emission

	Standard	Test specification	passed	failed	not required by customer
Radiated emission	EN 55011, FCC, 47 CFR Part 15 Class A	30 MHz... 1 GHz	X		
Radiated emission	EN 55022	1 GHz... 6 GHz	X		
	FCC, 47 CFR Part 15 Class A	1 GHz... 6 GHz			
Conducted emission	EN 55011, EN 55022 Class A	0.15MHz..30MHz	X		
Harmonic Current Emission	IEC 61000-3-2		X		
Voltage Fluctuations and Flicker Emission	IEC 61000-3-3		X		

EUT: DANEO 400

2.2 Overview immunity

	Standard	Test specification	passed	failed	Not required by customer
Electrostatic discharge	IEC 61000-4-2: 2008	±4 / ±8 kV	X		
Immunity to radiated field	IEC 61000-4-3: 2010	80 MHz - 3000 MHz 10 V/m 80% AM (1 kHz)	X		
Electrical fast transients	IEC 61000-4-4: 2004	±2 kV (Mains) ±1 kV (LAN)	X		
Surge immunity test	IEC 61000-4-5: 2005	±2 kV (Mains) ±1 kV (LAN)	X		
Immunity to radio frequency common mode	IEC 61000-4-6: 2008	0.15 MHz - 80 MHz 3 V 80% AM (1 kHz)	X		
Voltage Dips, Interruptions and Voltage Variation Immunity	IEC61000-4-11: 2004-03	0% 1 cycle 40% 10/12 cycles 70% 25/30 cycles 0% during 250/300 cycles	X		
Power Frequency Magnetic Field Immunity	IEC 61000-4-8: 2009-09	30A/m	X		