

Certifications of N-Tron Industrial Ethernet Devices

<u>Switch</u>	<u>FCC</u>	<u>ICES-003</u>	<u>CE</u>	<u>GS</u>	<u>UL</u>	<u>cUL</u>	<u>ATEX</u>	<u>ABS</u>	<u>DNV</u>	<u>Railway</u>	<u>ElecPwr</u>
100 Series POEs	ACS 07-0357 11/13/07	ACS 07-0357 11/13/07	ACS 07-0357 11/13/07	---	UL Vol 1 Sec 14 2/22/08	UL Vol 1 Sec 14 2/22/08	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
100-POE-SPL	ACS 08-0481 3/23/09	ACS 08-0481 3/23/09	ACS 08-0481 3/23/09	---	UL Vol 1 Sec 19 4/29/09	UL Vol 1 Sec 19 4/29/09	---	---	---	RTCL-TD-2008- 106 10/24/08	---
102MC	ACS 07-0060 3/21/07	ACS 07-0060 3/21/07	ACS 07-0035B 5/8/07	---	UL Vol 1 Sec 9 5/3/07	UL Vol 1 Sec 9 5/3/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
102PC-SE	TÜV 30561965 9/7/05	TÜV 30561965 9/7/05	---	---	---	---	---	---	---	---	---
102RAS	ACS 06-0349 10/24/06	ACS 06-0349 10/24/06	ACS 06-0349 10/24/06	---	UL Vol 1 Sec 6 2/1/07	UL Vol 1 Sec 6 2/1/07	---	---	---	---	---
104-105TX	ACS 06-0350 10/20/06	ACS 06-0350 10/20/06	ACS 06-0350 10/20/06	---	UL Vol 1 Sec 7 2/2/07	UL Vol 1 Sec 7 2/2/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
105FX	ACS 07-0254 7/27/07	ACS 07-0254 7/27/07	ACS 07-0254 7/27/07	---	UL Vol 1 Sec 12 9/20/07	UL Vol 1 Sec 12 9/20/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158 (not 106)	RTCL-TD-2008- 106 10/24/08	---
106FX2	ACS 07-0254 7/27/07	ACS 07-0254 7/27/07	ACS 07-0254 7/27/07	---	UL Vol 1 Sec 12 9/20/07	UL Vol 1 Sec 12 9/20/07	---	ABS 08- LD412000/1- PDA	---	---	---
105M12	ACS 07-0138 4/26/07	ACS 07-0138 4/26/07	ACS 07-0138 4/26/07	---	UL Vol 1 Sec 11 8/15/07	UL Vol 1 Sec 11 8/15/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
108TX	ACS 07-0035 2/6/07	ACS 07-0035 2/6/07	ACS 07-0035B 5/8/07	---	UL Vol 1 Sec 10 5/4/07	UL Vol 1 Sec 10 5/4/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
108TX-HV	---	---	TÜV 30980944 8/21/09	TÜV S72090631 8/27/09	---	---	---	---	---	RTCL-TD-2008- 106 10/24/08	---
108M12	ACS 07-0139 4/4/07	ACS 07-0139 4/4/07	ACS 07-0139 4/4/07	---	UL Vol 1 Sec 11 8/15/07	UL Vol 1 Sec 11 8/15/07	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
108M12-HV	---	---	TÜV 30980944 8/21/09	TÜV S72090631 8/27/09	---	---	---	---	---	RTCL-TD-2008- 106 10/24/08	---
202MC- 405TX-FX	---	---	Flextronics 0749NTR-2 7/13/01	---	UL Vol 1 Sec 1 3/1/01	UL Vol 1 Sec 1 3/1/01	---	---	---	---	---
300-Series- MC/TX/FX	TÜV 30461860 9/8/04	TÜV 30461860 9/8/04	TÜV 30461860 9/8/04	---	UL Vol 1 Sec 4 12/12/03	UL Vol 1 Sec 4 12/12/03	---	ABS 08- LD412000/1- PDA	---	---	C-Strauss EG0586 6/28/06
508-509- 516-517TX- FX	ACS 08-0442 12/29/08	ACS 08-0442 12/29/08	C-Strauss NG0586 7/5/06	---	UL Vol 1 Sec 2 4/17/03	UL Vol 1 Sec 2 4/17/03	UL 0316686U 10/13/08	ABS 08- LD412000-PDA	---	---	C-Strauss EG0586 6/28/06
524TX- 526FX	TÜV 30362623 12/10/03	TÜV 30362623 12/10/03	TÜV 30362623 12/10/03	---	UL Vol 1 Sec 2 4/17/03	UL Vol 1 Sec 2 4/17/03	UL 0316686U 10/13/08	ABS 08- LD412000/1- PDA	---	---	C-Strauss EG0586 6/28/06
702	ACS 08-0438 12/24/08	ACS 08-0438 12/24/08	ACS 08-0438 12/24/08	---	UL Vol 1 Sec 20 5/26/09	UL Vol 1 Sec 20 5/26/09	---	---	---	---	---
708M12	ACS 08-0193 6/23/08	ACS 08-0193 6/23/08	ACS 08-0193 6/23/08	---	UL Vol 1 Sec 17 12/29/08	UL Vol 1 Sec 17 12/29/08	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
708M12-HV	ACS 08-0288 9/25/08	ACS 08-0288 9/25/08	ACS 08-0288 9/25/08	TÜV S72090631 8/27/09	---	---	---	---	---	RTCL-TD-2008- 106 10/24/08	---
708TX-FX- FX2	ACS 07-0242 7/27/07	ACS 07-0242 7/27/07	ACS 07-0242 7/27/07	---	UL Vol 1 Sec 13 2/22/07	UL Vol 1 Sec 13 2/22/07	UL 0316686U 10/13/08	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	RTCL-TD-2008- 106 10/24/08	---
716TX/FX	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	---	UL Vol 1 Sec 18 3/13/09	UL Vol 1 Sec 18 3/13/09	---	---	---	RTCL-TD-2008- 106 10/24/08	---
716TX/FX- HV	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	TÜV S72090631 8/27/09	---	---	---	---	---	RTCL-TD-2008- 106 10/24/08	---
808TX- 809FX	JMR 000224 3/13/00	JMR 000224 3/13/00	JMR 000224 3/13/00	TÜV E2072950 8/8/00	---	---	---	---	---	---	---
900 Series	Flextronics 2019NTRB 8/13/01	Flextronics 2019NTRB 8/13/01	Flextronics 2019NTRB 8/13/01	---	UL Vol 1 Sec 3 4/18/03	UL Vol 1 Sec 3 4/18/03	---	---	---	---	---
1002MC- 1003GX2	ACS 08-0015 2/21/08	ACS 08-0015 2/21/08	ACS 08-0015 2/21/08	---	UL Vol 1 Sec 16 9/3/08	UL Vol 1 Sec 16 9/3/08	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	---	---
1005TX	ACS 07-0487 12/19/07	ACS 07-0487 12/19/07	ACS 07-0487 12/19/07	---	UL Vol 1 Sec 15 5/30/08	UL Vol 1 Sec 15 5/30/08	---	ABS 08- LD412000/1- PDA	DNV Certificate No. A-11158	---	---
7016FX6	ACS 09-0293 10/5/09	ACS 09-0293 10/5/09	ACS 09-0293 10/5/09	---	UL - Pending	UL - Pending	---	---	---	---	---
7014TX- FXE2	ACS 07-0396 11/26/07	ACS 07-0396 11/26/07	ACS 07-0396 11/26/07	---	UL Vol 1 Sec 8 4/20/07	UL Vol 1 Sec 8 4/20/07	---	---	---	---	---
7018TX/FX	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	---	UL Vol 1 Sec 18 3/13/09	UL Vol 1 Sec 18 3/13/09	---	---	---	RTCL-TD-2008- 106 10/24/08	---
7018TX/FX- HV	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	ACS 08-0362 10/27/08	TÜV S72090631 8/27/09	---	---	---	---	---	RTCL-TD-2008- 106 10/24/08	---
7506GX2	ACS 09-0268 10/1/09	ACS 09-0268 10/1/09	ACS 09-0268 10/1/09	---	UL - Pending	UL - Pending	---	---	---	---	---
9000	TÜV 30561965 9/7/05	TÜV 30561965 9/7/05	C-Strauss NG0586 7/5/06	---	UL Vol 1 Sec 5 12/29/05	UL Vol 1 Sec 5 12/29/05	---	ABS 08- LD412000/1- PDA	---	---	C-Strauss EG0586 6/28/06

N-Tron Devices by Certification Categories

<p>ABS</p> <p>International Association of Classification Societies IACS UR E10 (IEC60068) (IEC 60092) (IEC60533) (IEC61000)</p>	<p>100 Series (102MC, 104TX, 105TX, 105FX, 106FX2, 108TX, 100-POE4, 105TX-POE, 105FX-POE, 105FXE-POE, 105M12, 108M12)</p> <p>300 Series (302MC, 302MCE, 304TX, 305FX, 305FXE, 306TX, 306FX2, 306FXE, 308TX)</p> <p>500 Series (508TX, 508FX2, 508FXE2, 509FX, 509FXE, 516TX, 517FX, 517FXE, 524-TX, 526FX2, 526FXE2)</p> <p>700 Series (708TX, 708FX2, 708M12)</p> <p>1000 Series (1002MC, 1003GX2, 1005TX)</p> <p>9000 Series (9000BP, 9000CPU, 9006TX, 9002FX, 9002FXE, 9004FX, 9004FXE)</p>
<p>DNV</p> <p>(Same as ABS above)</p>	<p>100 Series (102MC, 104TX, 105TX, 105FX, 108TX, 100-POE4, 105TX-POE, 105FX-POE, 105FXE-POE, 105M12, 108M12)</p> <p>700 Series (708TX, 708FX2, 708M12)</p> <p>1000 Series (1002MC, 1003GX2, 1005TX)</p>
<p>ATEX</p> <p>EN 60079-0/15</p>	<p>500 Series (508TX, 508FX2, 508FXE2, 509FX, 509FXE, 516TX, 517FX, 517FXE, 524TX, 526FX2, 526FXE2) Ex nA</p> <p>700 Series (708TX, 708FX2, 708FXE2) Ex nC</p>
<p>GS</p> <p>EN 60950-1:2001</p>	<p>108TX-HV, 108M12-HV, 708M12-HV</p> <p>716TX-HV, 716FX2-XX-HV, 716FXE2-XX-YY-HV</p> <p>7018TX-HV, 7018FX2-XX-HV, 7018FXE2-XX-YY-HV</p>
<p>RAIL</p> <p>EN 50155:2007</p>	<p>100 Series (100-POE-SPL-XX, 100-POE4, 102MC, 102MCE, 102MC-FL, 104TX, 105TX, 105TX-POE, 105FX, 105FXE-XX-YY, 105FX-XX-POE, 105M12, 108TX, 108TX-HV, 108M12, 108M12-HV)</p> <p>700 Series (716TX, 716TX-HV, 716FX2-XX, 716FX2-XX-HV, 716FXE2-XX-YY-HV, 708TX, 708FX2, 708FXE2-XX-YY, 708M12, 708M12-HV)</p> <p>7018 Series (7018TX, 7018TX-HV, 7018FX2-XX, 7018FX2-XX-HV, 7018FXE20XX-YY, 7018FXE2-XX-YY-HV)</p>
<p>Electric Power Substations</p> <p>IEEE 1613-2003</p>	<p>300 Series (302MC, 302MCE, 304TX, 305FX, 305FXE, 306TX, 306FX2, 306FXE, 308TX)</p> <p>500 Series (508TX, 508FX2, 508FXE, 509FX, 509FXE, 516TX, 517FX, 517FXE, 524TX, 526FX2, 526FXE)</p> <p>9000 Series (9000CPU, 9002FX, 9002FXE, 9004FX, 9004FXE, 9006TX)</p>
<p>FCC CE UL</p>	<p>CFR Title 47, Part 15, Subpart B: Class A digital device</p> <p>IEC 61000-4-2/3/4/5 etc</p> <p>UL 508-OrdLoc; ISA 12.12.01-2007 (CI I, Div 2 - HazLoc)</p>