

HomePlug
Compatible

TII network technologies, inc.

Home Networking Protection

The TII HNP Home Networking Protection series incorporates **100% HomePlug® compatible** AC powerline protection. Traditional surge protectors interfere with high-speed data transmitted over AC wiring utilizing HomePlug® technology. The TII HNP series incorporates optional Satellite, CATV and telephone line surge protection **without interfering with hi-speed signals**.

TII HNP6

Home Networking Protector

- 1 Protected HomePlug Compatible AC Receptacle
- 5 Protected EMI Filtered AC Receptacles



TII HNP6-X-T

Home Networking Protector

Equipped with Telephone Protection

- 1 Protected HomePlug Compatible AC Receptacle
- 5 Protected EMI Filtered AC Receptacles
- 1 Protected Telephone Circuit



TII HNP6-X-T-C

Home Networking Protector Equipped with Telephone and CATV Protection

- 1 Protected HomePlug Compatible AC Receptacle
- 5 Protected EMI Filtered AC Receptacles
- 1 Protected Telephone Circuit
- 1 Antenna / CATV Protection Circuit



TII HNP6-X-T-S

Home Networking Protector Equipped with Telephone, CATV and Satellite DBS Protection

- 1 Protected HomePlug Compatible AC Receptacle
- 5 Protected EMI Filtered AC Receptacles
- 1 Protected Telephone Circuit
- 1 Antenna / CATV Protection Circuit
- 2 Satellite DBS Protection Circuits



HomePlug® is a
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TII HNP SERIES

SPECIFICATIONS

Standard Protection Circuit (All Models)

AC SURGE SUPPRESSION

Insertion Loss (2 – 27 MHz)	
Single HomePlug Compatible Receptacle (Compatible to Version 2.0-AV)	< 3 dB
Five EMI Filtered Receptacles	> 50 db
Suppression Voltage - 500A, 8/20 μ s waveform (Line to Neutral)	700V max.
Steady State Clamping Voltage	300V
Maximum Surge Current 8/20 μ s waveform	20,000A
LIFE TEST 5,000A, 8/20 μ s waveform	1000 surges
Listed to:	UL 1449

Additional Protection Circuits (Optional)

TELEPHONE LINE SURGE PROTECTOR PERFORMANCE

Rated for use on telephone lines with up to 120V rms ringing. Coordinates with telco station protector.	
DC Breakdown T-G, R-G, T-R	300V typical
Surge Voltage @ 100V/ μ s	400 volts max
Line Resistance (per side)	<1 ohms
Insulation Resistance @ 100 Vdc	100M ohms min.
TEL Line Jacks	Modular RJ-11 Jack
Evaluated by UL:	UL 497A


75 OHM CATV/ANTENNA PROTECTION

DC Breakdown (all modes)	< 2 V
Surge Voltage @ 100V/ μ s	< 10 V
Insertion Loss DC-1.0GHz	< 0.1 dB
Return Loss DC-1.0GHz	> 15 dB

75 OHM SATELLITE CABLE PROTECTION

DC Breakdown	< 30 V
Surge Voltage @ 100V/ μ s	< 40 V
Insertion Loss 900MHz-2.4GHz	< 0.5 dB
Return Loss 900MHz-2.4GHz	> 20 dB

ORDERING INFORMATION

 **TII** network technologies, inc.

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