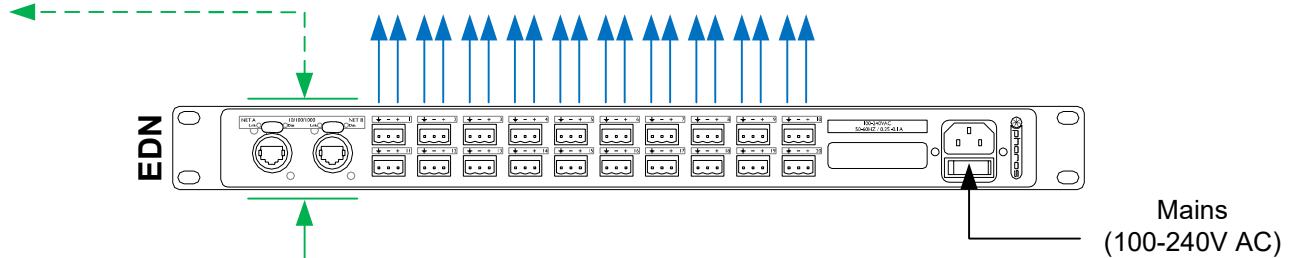To computer
(for commissioning only)
Pharos EDN / eDMX luminaires
/ DMX nodes /
 (Daisy chain up to 8 EDN
 without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

Any Pharos 19" controller

Mains
(100-240V AC)

To computer
(for commissioning only)
Scaling and
integration
Pharos Cloud

- *Consult the **Installation Guide**
  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
- ***More configurations** are
  possible to fulfil any project*
- *Contact your supplier or visit
  our website for support*

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Reference: 4001	Name: 19" - EDN only		
Size: A4	Date:	Rev:	Notes:
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Page:			

see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

To computer
(for commissioning only)
Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

Any Pharos 19" controller

Mains
(100-240V AC)

To computer
(for commissioning only)
Scaling and
integration
Pharos Cloud

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
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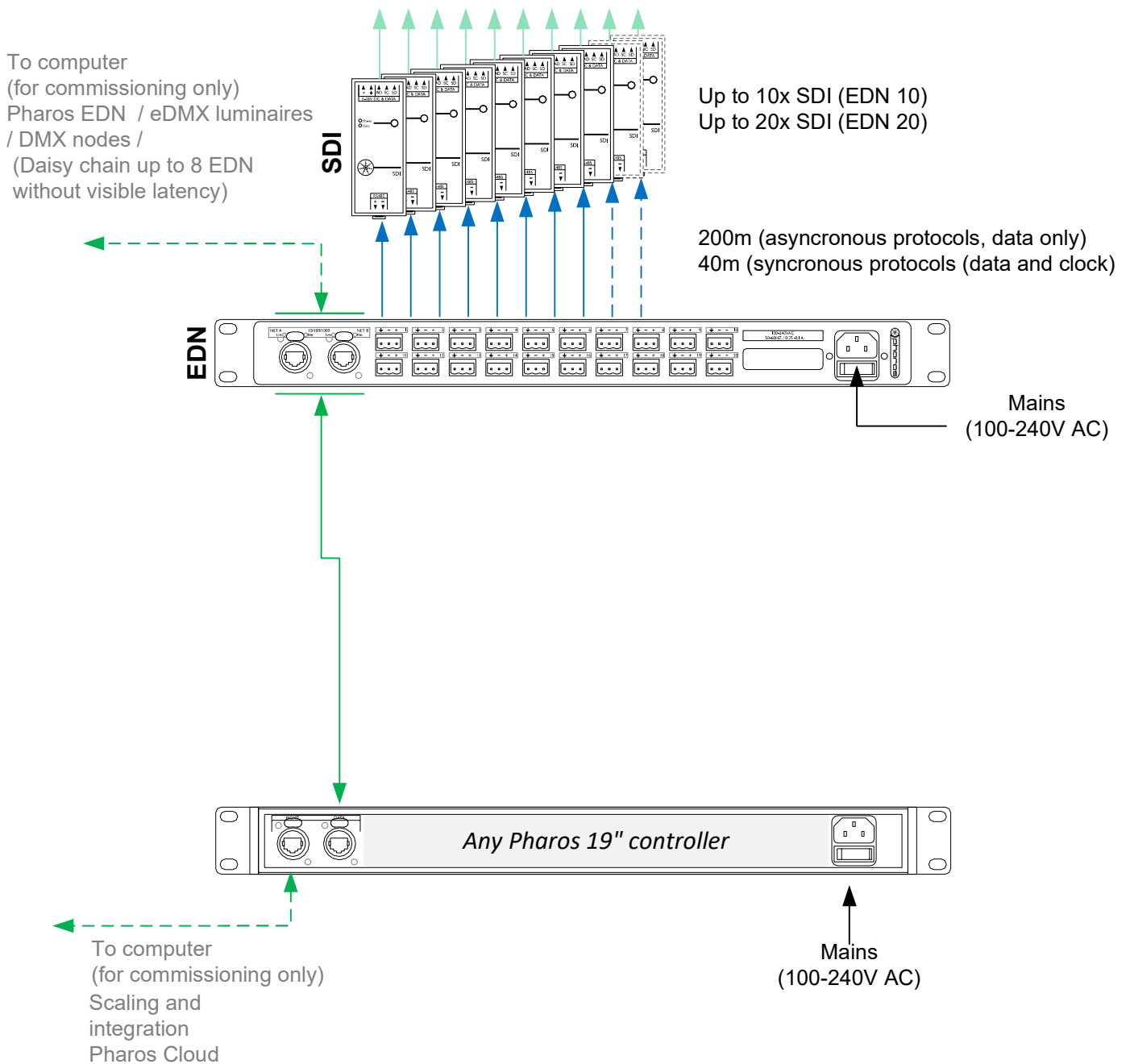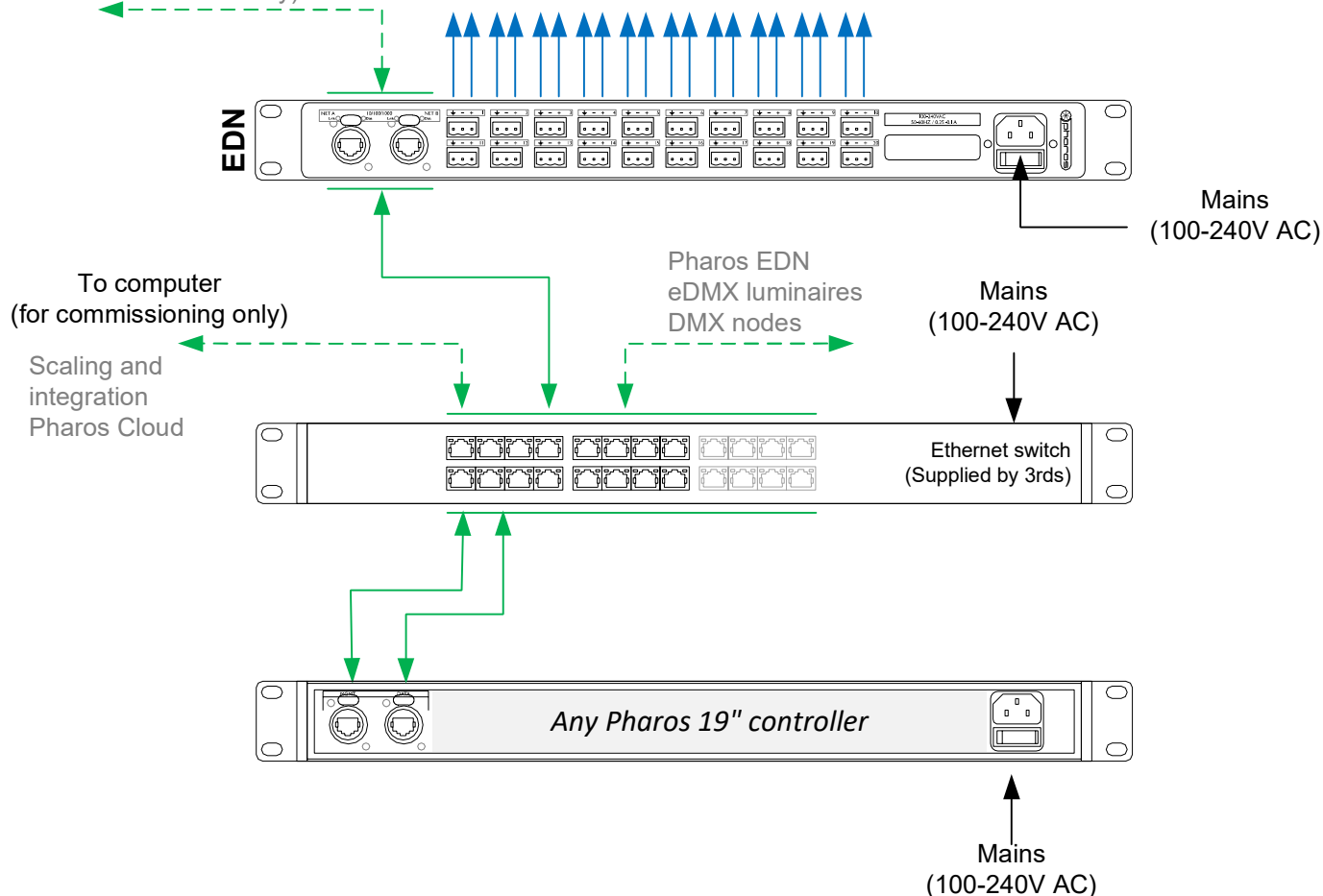
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pharoscontrols.com

Reference: 4002	Name: 19" - EDN - SDI only		
Size: A4	Date:	Rev:	Notes:
	21/01/2021	V 1.0	Setup
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Pharos EDN / eDMX
luminaires / DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Scaling and
integration
Pharos Cloud

Ethernet switch
(Supplied by 3rds)

Any Pharos 19" controller

Mains
(100-240V AC)

- *Consult the **Installation Guide**
  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
- ***More configurations** are
  possible to fulfil any project*
- *Contact your supplier or visit
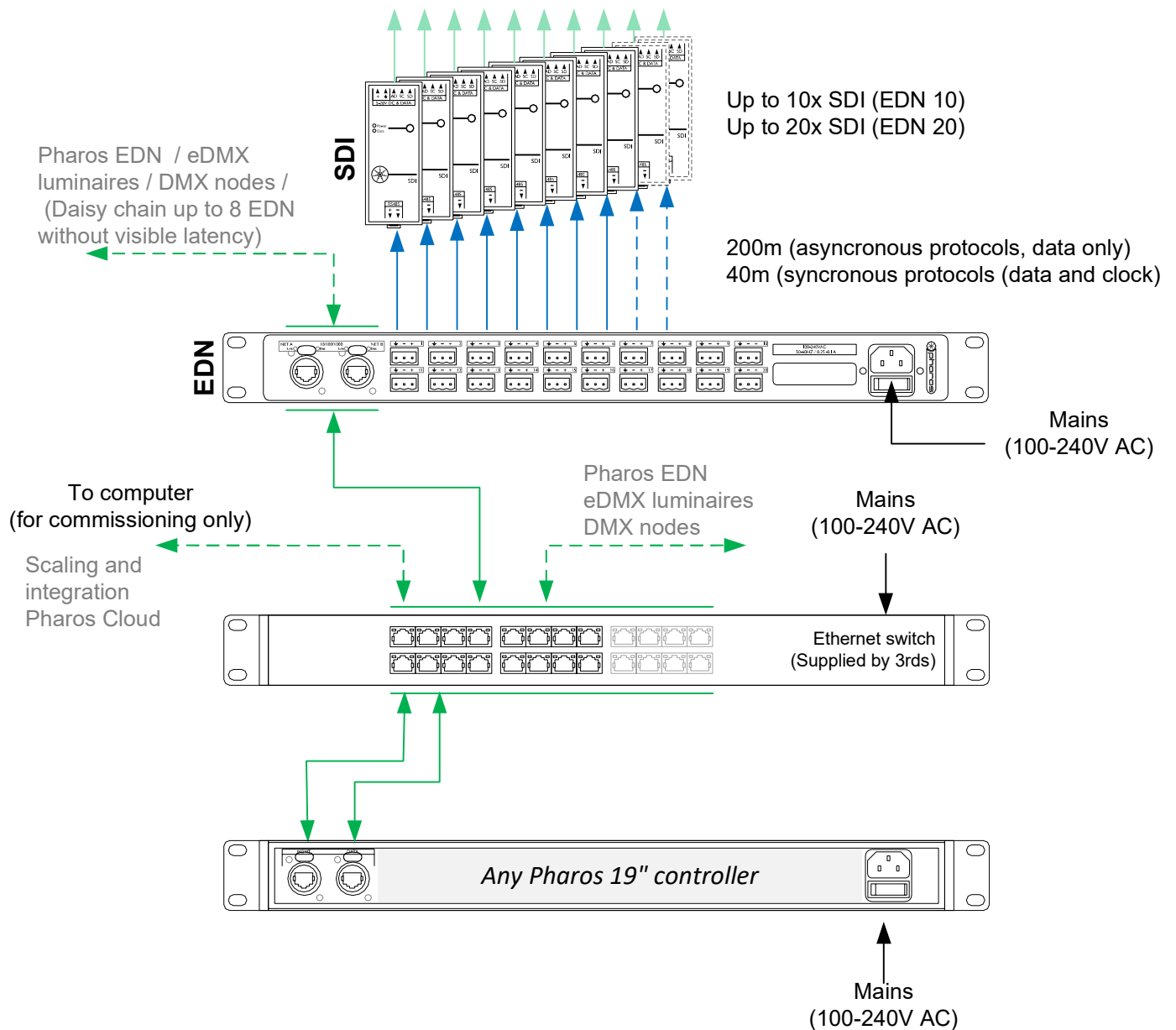 our website for support*

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Reference: 4003	Name: 19" EDN flat network		
Size: A4	Date:	Rev:	Notes:
	21/01/2021	V 1.0	Setup
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see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

Pharos EDN / eDMX
luminaires / DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Scaling and
integration
Pharos Cloud

Ethernet switch
(Supplied by 3rds)

Any Pharos 19" controller

Mains
(100-240V AC)

- *Consult the **Installation Guide**
  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
- ***More configurations** are
  possible to fulfil any project*
- *Contact your supplier or visit
  our website for support*

To computer
(for commissioning only)
Pharos EDN / eDMX luminaires
/ DMX nodes /
 (Daisy chain up to 8 EDN
 without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

Any Pharos 19" controller

Mains
(100-240V AC)

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

note: Requires different subnets on the two ports

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
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- *Contact your supplier or visit our website for support*

Reference: 4005	Name: 19" - EDN direct		
Size: A4	Date:	Rev:	Notes:
	21/01/2021	V 1.0	Setup
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see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

To computer
(for commissioning only)
Pharos EDN / eDMX luminaires
/ DMX nodes /
 (Daisy chain up to 8 EDN
 without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

Any Pharos 19" controller

Mains
(100-240V AC)

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

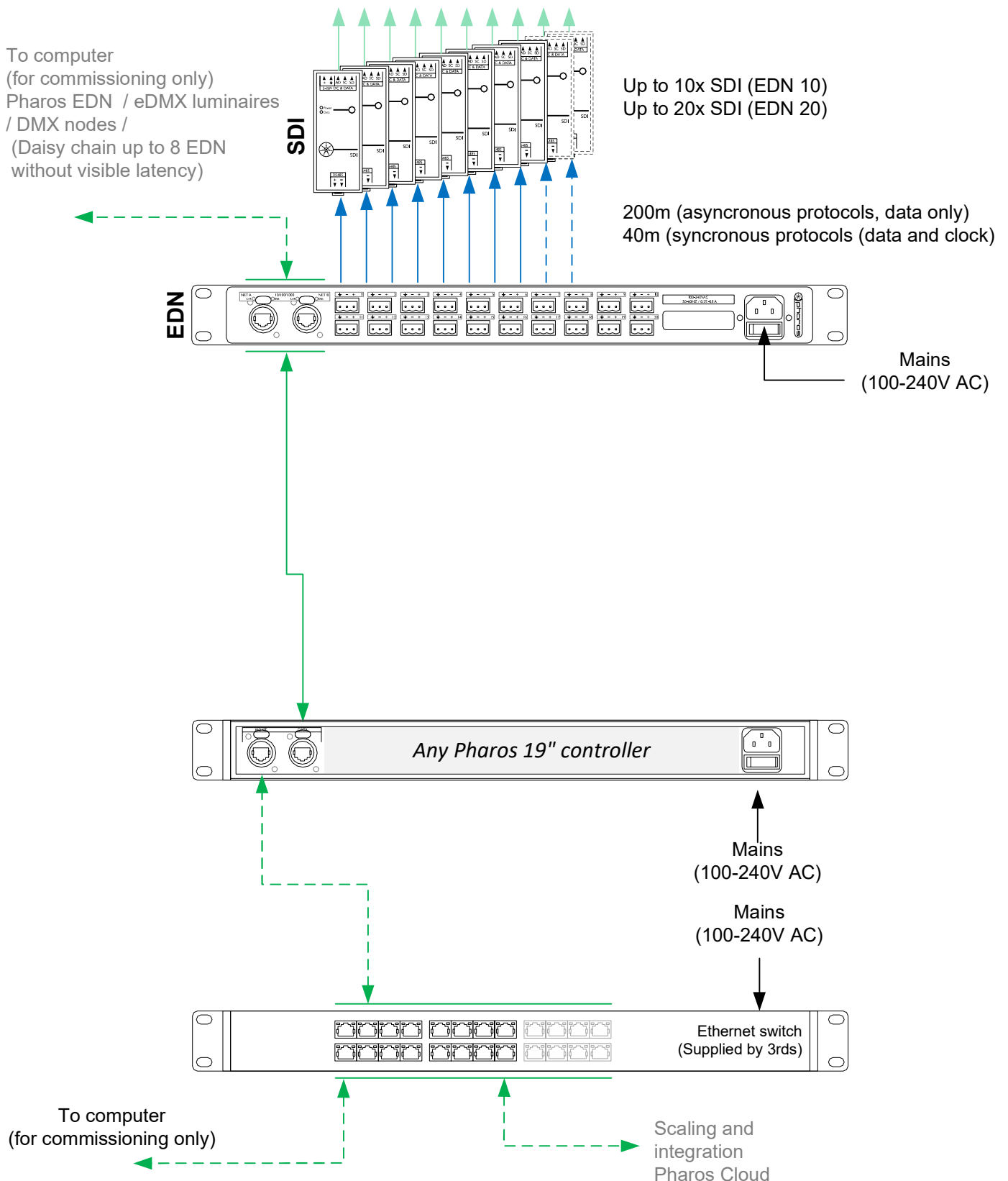**note**: Requires different subnets on the two ports

- *Consult the **Installation Guide**
  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
- ***More configurations** are
  possible to fulfil any project*
- *Contact your supplier or visit
  our website for support*

Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

Any Pharos 19" controller

Mains
(100-240V AC)

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

note: Requires different subnets on the two ports

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  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
- ***More configurations** are
  possible to fulfil any project*
- *Contact your supplier or visit
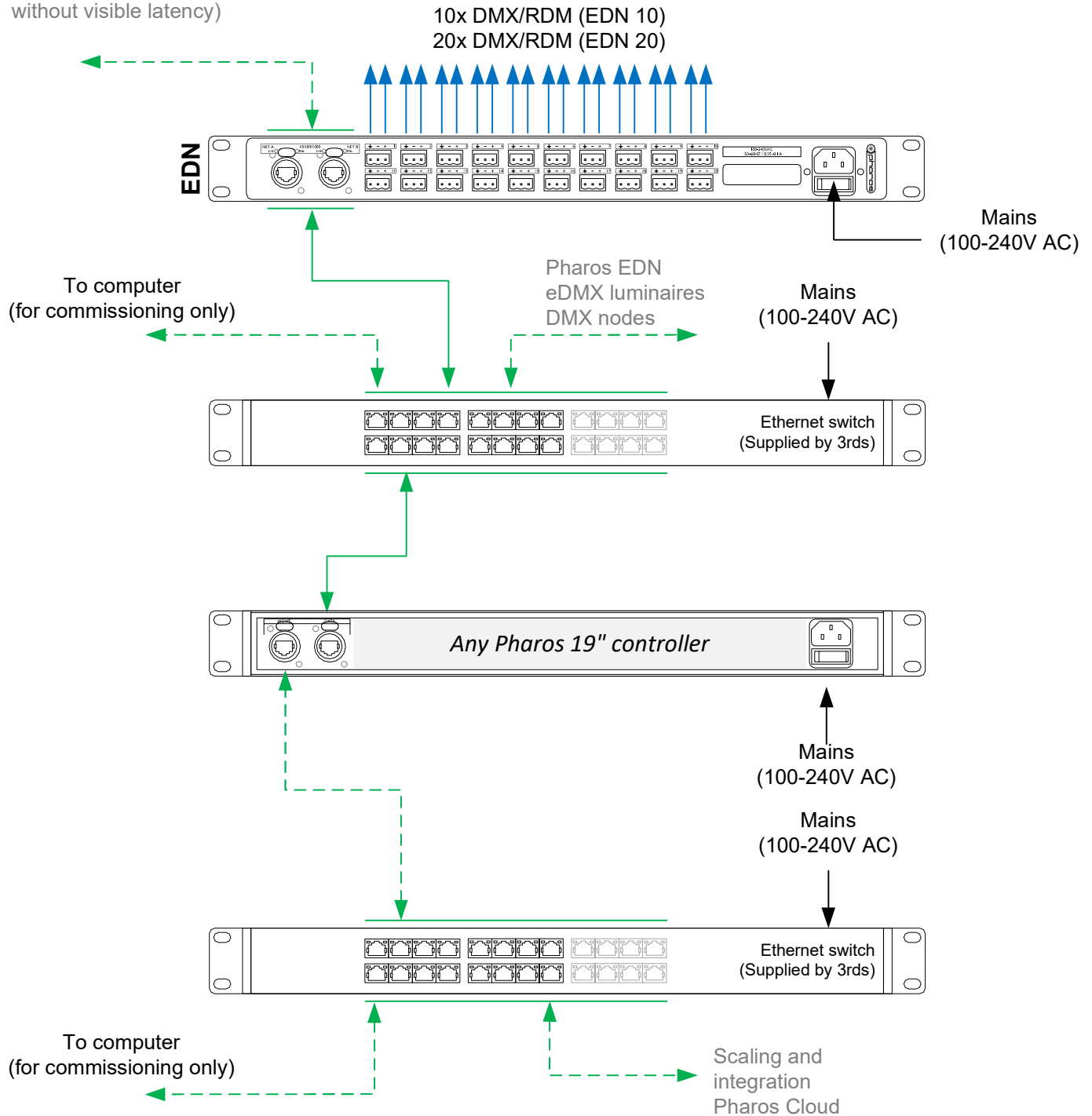 our website for support*

Reference: 4007	Name: 19" EDN via switch		
Size: A4	Date:	Rev:	Notes:
	21/01/2021	V 1.0	Setup
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see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

To computer
(for commissioning only)
Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

Any Pharos 19" controller

Mains
(100-240V AC)

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

note: Requires different subnets on the two ports

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
- ***More configurations** are possible to fulfil any project*
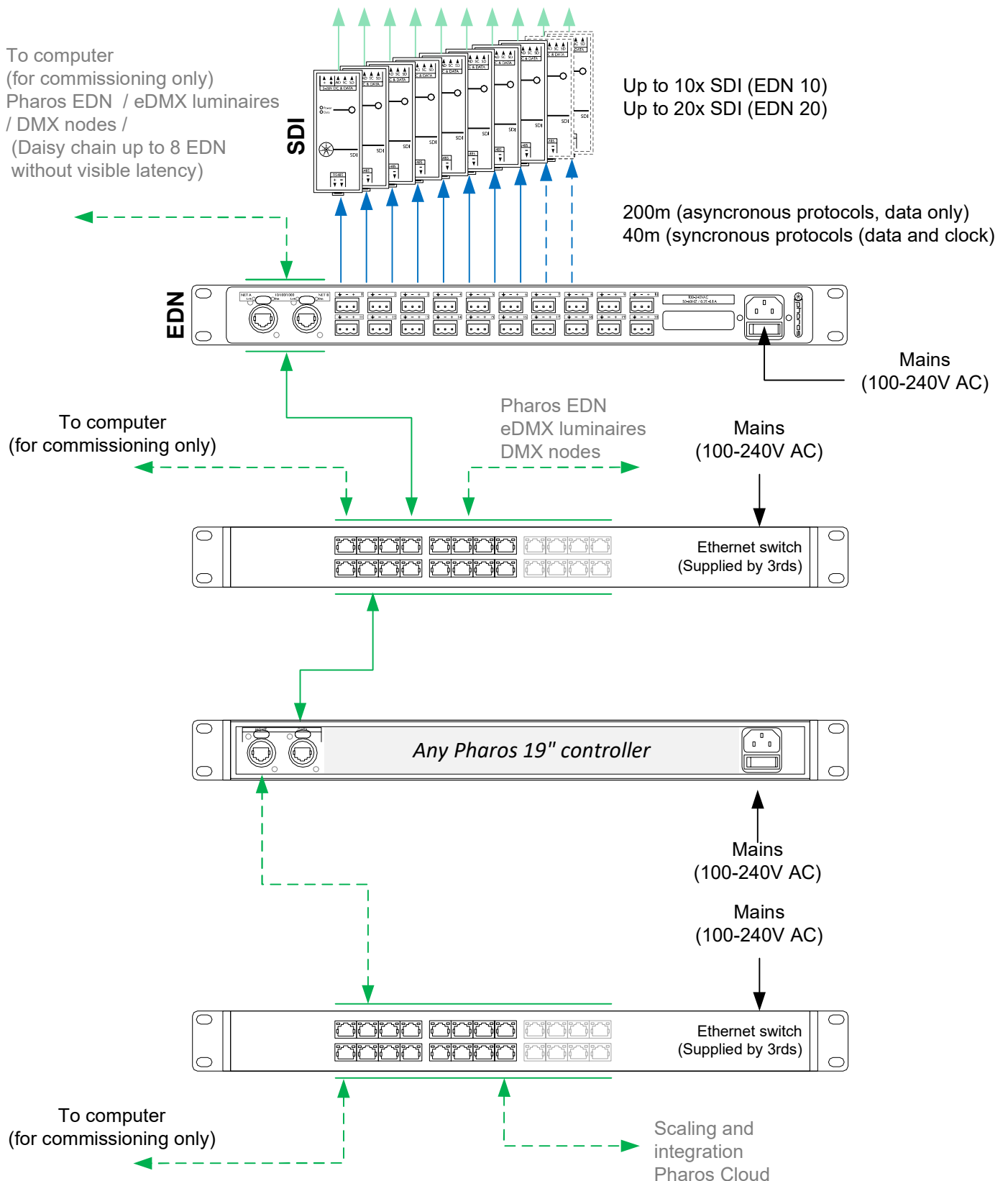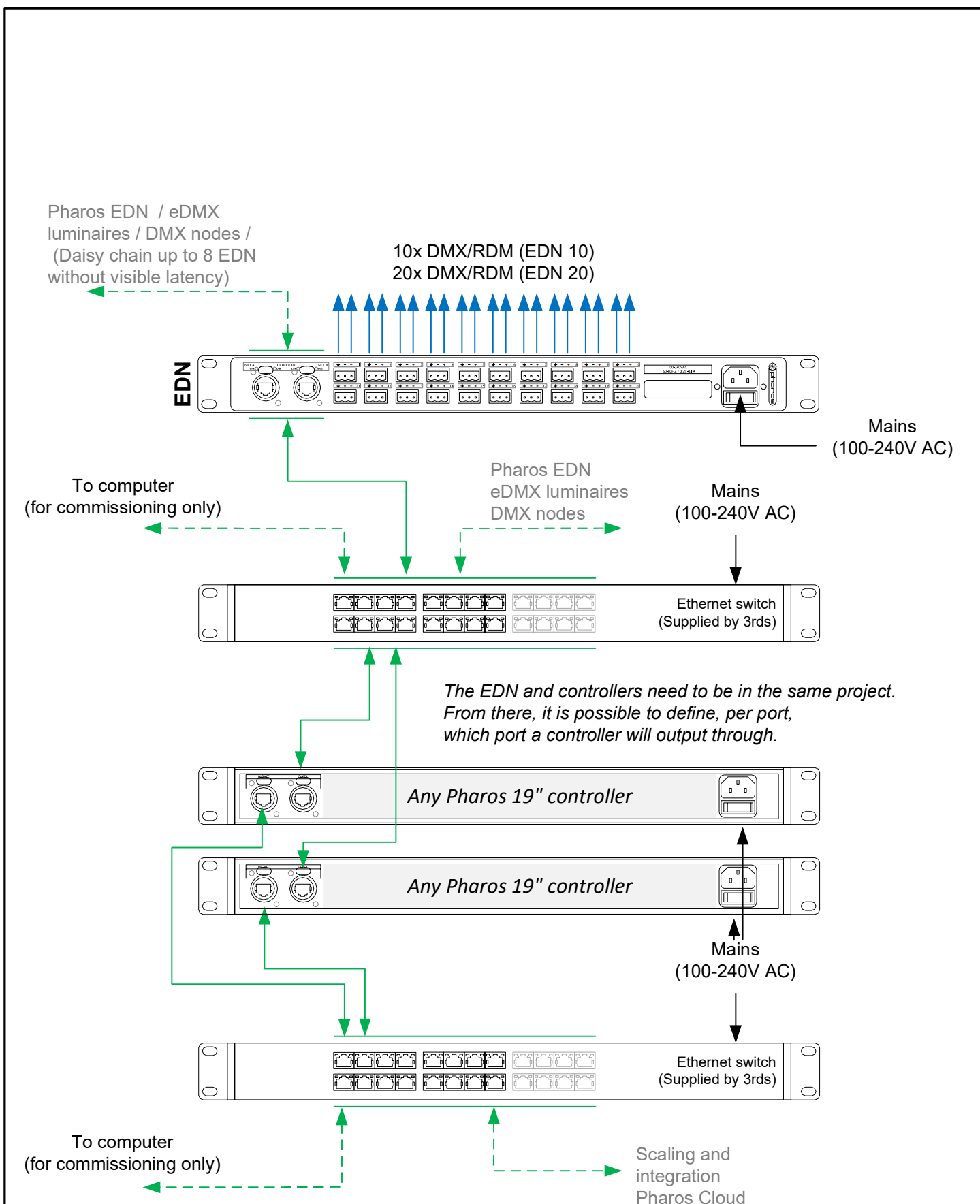- *Contact your supplier or visit our website for support*

Pharos EDN / eDMX
luminaires / DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

The EDN and controllers need to be in the same project.
From there, it is possible to define, per port,
which port a controller will output through.

Any Pharos 19" controller

Any Pharos 19" controller

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

note: Requires different subnets on the two ports

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
- ***More configurations** are possible to fulfil any project*
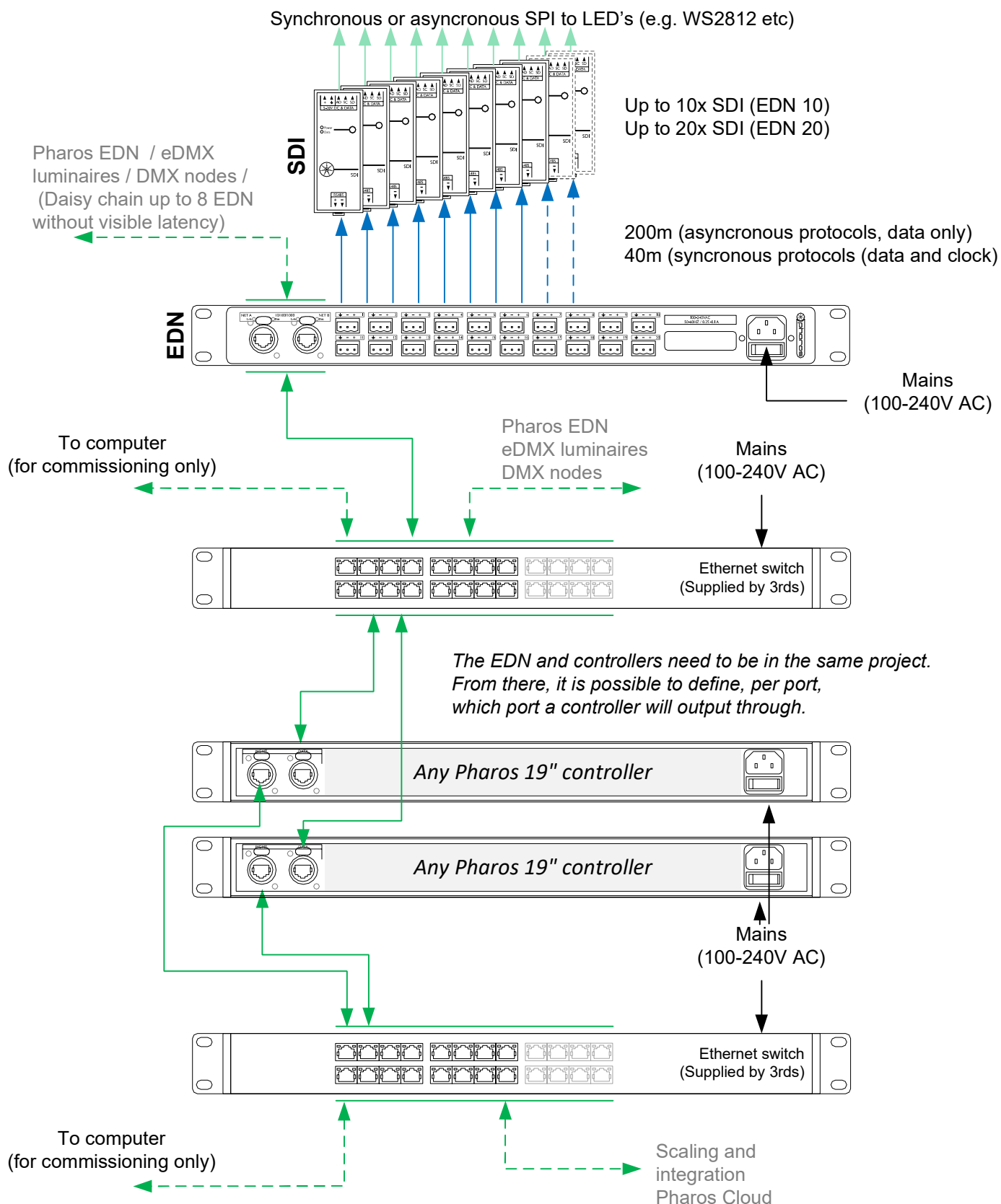- *Contact your supplier or visit our website for support*

pharos	Reference: 4009	Name: 2x19" - EDN		
	Size: A4	Date:	Rev:	Notes:
pharoscontrols.com		21/01/2021	V 1.0	Setup
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see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

Synchronous or asyncronous SPI to LED's (e.g. WS2812 etc)

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

Pharos EDN / eDMX
luminaires / DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

The EDN and controllers need to be in the same project.
From there, it is possible to define, per port,
which port a controller will output through.

Any Pharos 19" controller

Any Pharos 19" controller

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

note: Requires different subnets on the two ports

- *Consult the **Installation Guide** for technical details*
- *See **General Notes.pdf** for information on cabling types*
- ***More configurations** are possible to fulfil any project*
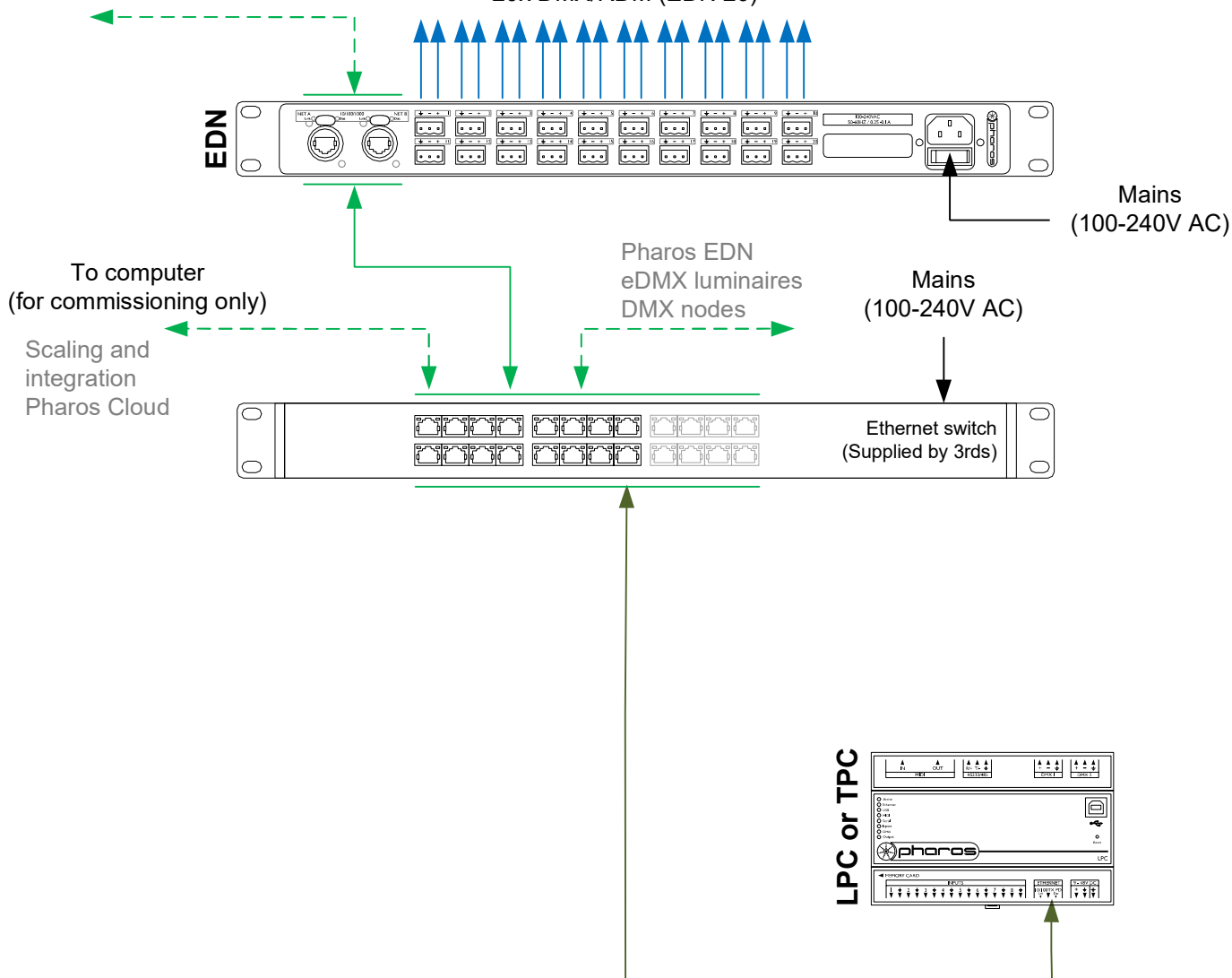- *Contact your supplier or visit our website for support*

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Reference: 4010	Name: 2x19" - EDN - SDI			
Size: A4	Date: 21/01/2021	Rev: V 1.0	Notes: Setup	
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Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Scaling and
integration
Pharos Cloud

Ethernet switch
(Supplied by 3rds)

LPC or TPC

note: Even though an LPC or TPC can patch to multiple universes, limits will apply
(Patching 20 full universes from a single LPC may come at a performance penalty)
Contact support for further questions.

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  for technical details*
- *See **General Notes.pdf** for
  information on cabling types*
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✳ pharos®		Reference: 4011	Name: DIN - EDN	
		Size: A4	Date: 21/01/2021	Rev: V 1.0	Notes: Setup
pharoscontrols.com		Page:		

see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Scaling and
integration
Pharos Cloud

Ethernet switch
(Supplied by 3rds)

LPC or TPC

note: Even though an LPC or TPC can patch to multiple universes, limits will apply
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pharoscontrols.com
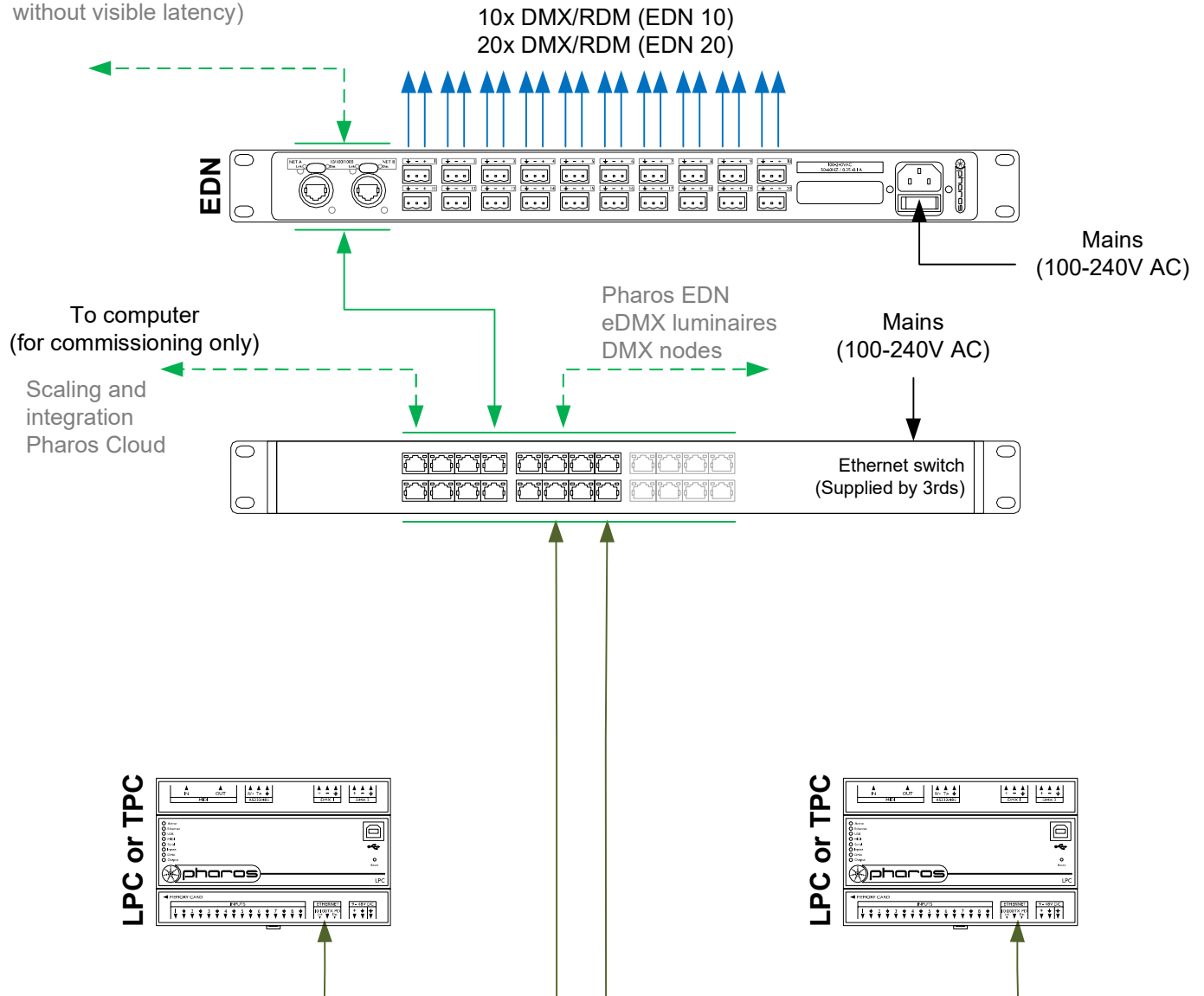
Reference: 4012	Name: DIN - EDN - SDI		
Size: A4	Date: 21/01/2021	Rev: V 1.0	Notes: Setup
	Page:		

Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

10x DMX/RDM (EDN 10)
20x DMX/RDM (EDN 20)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Scaling and
integration
Pharos Cloud

Ethernet switch
(Supplied by 3rds)

LPC or TPC

LPC or TPC

The EDN and controllers need to be in the same project.
From there, it is possible to define, per port,
which port a controller will output through.

note: Even though an LPC or TPC can patch to multiple universes, limits will apply
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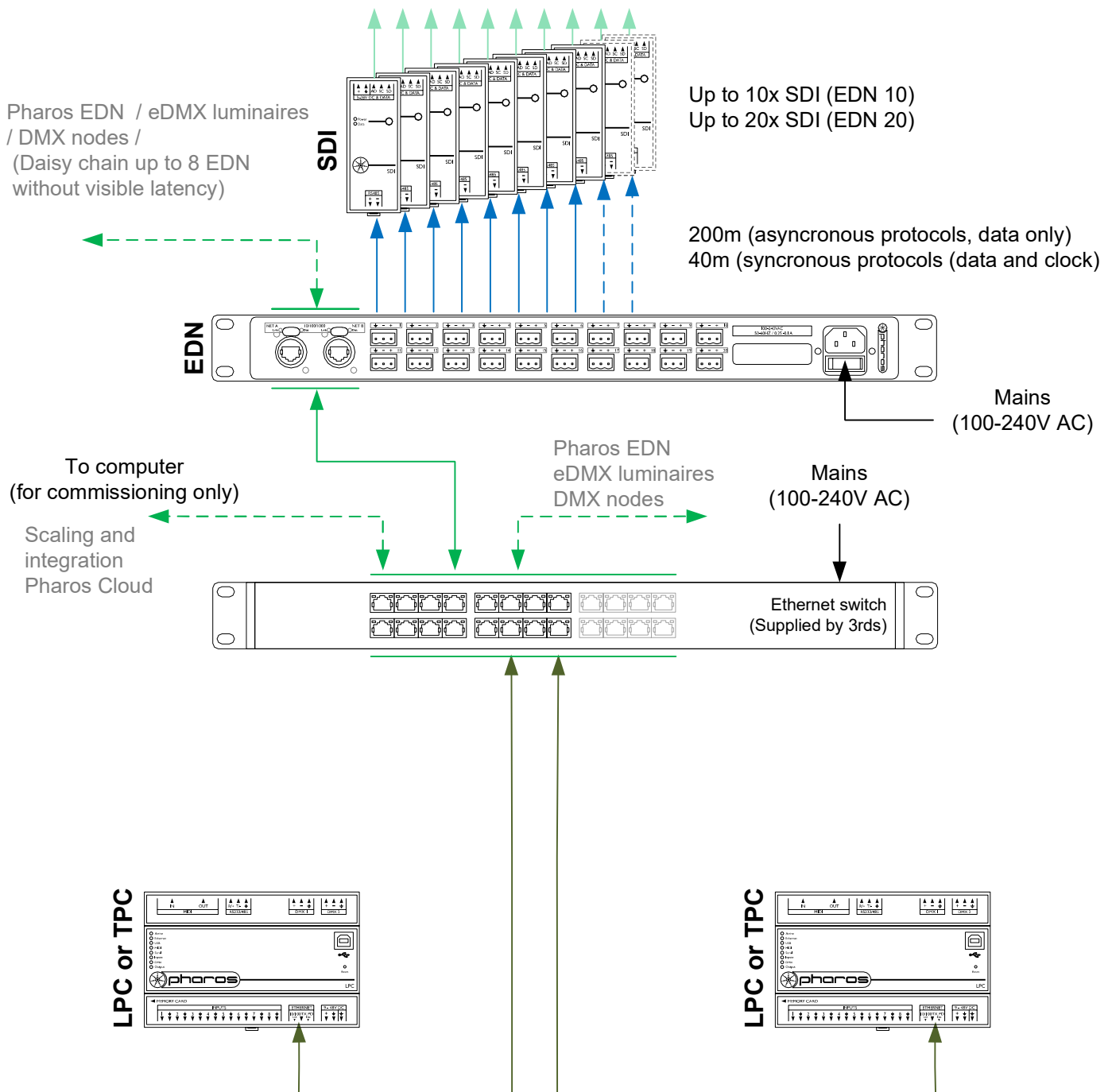- *Contact your supplier or visit
  our website for support*

✳ **pharos**®	Reference: 4013	Name: 2xDIN - EDN	
	Size: A4	Date:	Rev:	Notes:
pharoscontrols.com		21/01/2021	V 1.0	Setup
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see "9601 Detailed wiring examples _EDN-SDI for details on EDN – SDI connection

SDI

Pharos EDN / eDMX luminaires
/ DMX nodes /
(Daisy chain up to 8 EDN
without visible latency)

Up to 10x SDI (EDN 10)
Up to 20x SDI (EDN 20)

200m (asyncronous protocols, data only)
40m (syncronous protocols (data and clock)

EDN

Mains
(100-240V AC)

To computer
(for commissioning only)

Scaling and
integration
Pharos Cloud

Pharos EDN
eDMX luminaires
DMX nodes

Mains
(100-240V AC)

Ethernet switch
(Supplied by 3rds)

LPC or TPC

pharos

LPC or TPC

pharos

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Reference: 4014	Name: 2xDIN - EDN - SDI		
Size: A4	Date:	Rev:	Notes:
	21/01/2021	V 1.0	Setup
	Page:		