





The Principle

Desks become ,e-places'.
Docking without diversions.
Approachable design.
Modules according to requirements.
Patented raised clamping feet.
Make two from one.
Conduit for plug and cable.
No dust caused by electrostatics.





In the Office

„Job Sharing“ –
mobile workstations
are functions of our time.
Dock and work.
Power and IT.
Filter and protection.
Order and safety.
Approachable design.

Used in thousands of ways
by world market leaders.
In vogue throughout the world.



EVoline® Dock is available in following
international socket configurations:





In the Kitchen

The kitchen as the heart of the home,
The power connection
as a design feature.
Aesthetic view from any angle,
Inside the work-top,
On top of the kitchen island,
Can be retro-fitted,
Invisible cable route,
Easy to maintain.

Functional.
Timeless beauty.





In the Kitchen In the Office

Transformation of empty spaces
with functional elements.

Horizontally at the top:
underneath cupboards and racks.

Horizontally at the bottom:
fastened to partitions and wall surfaces.

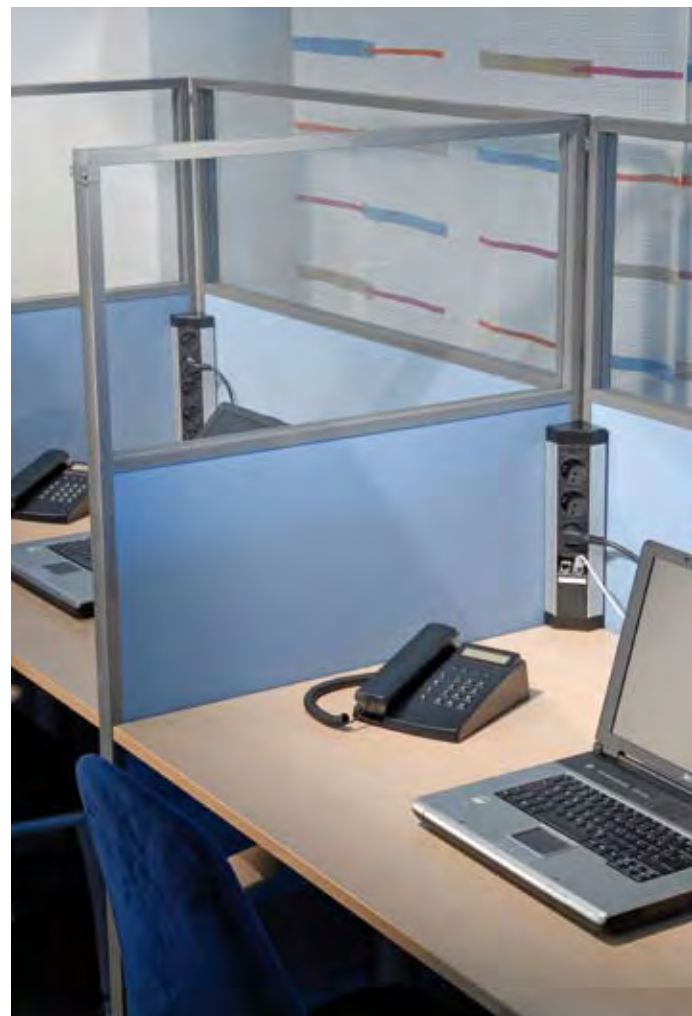
Fitted vertically:
in corners and niches.

V-shaped profile,

For kitchens and offices,

For fastening with screws and by snap-in.

Can be equipped with modules:
power, data and multimedia.



3 steps to get your individual EVoline® Product

1

Choice of
EVoline®
product series

**EVoline® Port
Individual**



Choose:
Version
length of cable connection
Hole saw see page 121
Fastening / accessories

Page 79 - 82

**EVoline® Dock
Individual**



Choose:
Version
length of cable connection
Fastening / accessories

Page 86

**EVoline® V-Dock
Individual**



Choose:
Version
length of cable connection

Page 87

**EVoline® SubDesk
Individual**



Choose:
Version
length of cable connection

Page 89

**EVoline®
Socket Module**



Choose:
country specific insert
colour

Page 93 - 98

**EVoline®
Multimedia Module**



Choose:
specification
length of cable connection

Page 100 - 104

**EVoline®
Data-Network Module**



Choose:
specification
length of cable connection

Page 105 - 118

**EVoline®
Intelligence Module**



Choose:
specification
length of cable connection

Page 119

Pursuant to your order you will receive a product drawing, which you release with your signature.
This procedure avoids wrong orders.

3

Your individual
EVoline®
Product



Your orders are subject to our General Terms of Sales. Refer to www.schulte.com

Subject to technical changes.

The goods are not marked with an EAN-Code – please order specifically if needed.

Standard products of serie
are shown on pages :

EVoline® Port,
75 - 78

EVoline® Dock,
83 - 85

EVoline® V-Dock
87

Article	Type	EAN / Comment	Picture
EVoline® Dock DESK three sockets, 0° Germany, Austria 2) 3.0 m supply cable free positioning on rubber slide stops aluminium profile cable guidance: through left end cap silver anodised**	930.00.403	 4 044657 000514	
black anodised***	930.00.401	 4 044657 000507	
EVoline® Dock DESK DATA three sockets, 0° Germany, Austria 2) 3.0 m supply cable free positioning on rubber slide stops two modular couplings for patch cable RJ45:RJ45, 1:1 screened, aluminium profile cable guidance: through left end cap silver anodised**	930.04.783	 4 044657 000941	
black anodised***	930.04.781	 4 044657 000958	
EVoline® Dock SMALL three sockets, 0° German, Austria 2) 3.0 m supply cable aluminium profile cable guidance: through base, left with mounting clamp for table tops from 8 to 40 mm thickness	930.06.663	 4 044657 000965	
silver anodised**			
black anodised***	930.06.661	 4 044657 000972	
without mounting clamp silver anodised**	930.00.393	 4 044657 000491	
black anodised***	930.00.391	 4 044657 000484	
EVoline® Dock DATA SMALL three sockets, 0° Germany, Austria 2) 3.0 supply cable two modular couplings RJ45:RJ45, 1:1 screened, aluminium profile cable guidance: through base left with two mounting clamp for table tops from 8 to 40 mm thickness	930.06.623	 4 044657 000989	
silver anodised**			
black anodised***	930.06.621	 4 044657 001009	
without mounting clamps silver anodised**	930.04.773	 4 044657 000996	
black anodised***	930.04.771	 4 044657 001016	

* Sockets with touch guard

** Stock, deliverable at short notice

*** Deliverable upon request, ask for delivery times

 2) Table of international socket systems
 see page 152

Article	Type	EAN / Comment	Picture
EVoline® Dock ECONOMY socket unswitched * ON/OFF switch illuminated four sockets, switched*, sockets 0°, Germany, Austria 2) 3.0 m supply cable, aluminium profile cable guidance: from left bottom with two mounting clamps for table tops from 8 to 40 mm thickness			
silver anodised**	930.06.633	4 044657 001023	
black anodised***	930.06.631	4 044657 001030	
without mounting clamps silver anodised**	930.00.013	4 044657 000439	
black anodised***	930.00.011	4 044657 000422	
EVoline® Dock ECONOMY DATA socket, unswitched* ON/OFF switch, illuminated four sockets switched * 3.0 m supply cable two modular couplings RJ45:RJ45, 1:1 screened, aluminium profile cable guidance: from left bottom with two mounting clamps for table tops from 8 to 40 mm thickness			
silver anodised**	930.06.643	4 044657 001047	
black anodised***	930.06.641	4 044657 001054	
without mounting clamps silver anodised**	930.02.983	4 044657 000453	
black anodised***	930.02.981	4 044657 000446	
EVoline® Dock MULTIMEDIA three sockets, 0°* Germany, Austria 2) cable supply 3.0 m, two modular adaptors for patch cable, RJ45:RJ45, 1:1 screened one VGA 15-pole HDD socket one audio-jack socket 3.5 mm one USB 2.0, Type A socket 3.0 m cable with plug each, aluminium profile supply cable guidance: from left bottom multimedia cable guidance: from right bottom with two mounting clamps for table tops from 8 to 40 mm thickness			
silver anodised**	930.21.333	4 044657 006622	
black anodised***	930.21.331	4 044657 006639	
without mounting clamps silver anodised**	930.21.323	4 044657 006646	
black anodised***	930.21.321	4 044657 006653	

* Sockets with touch guard

** Stock, deliverable at short notice

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2) Table of international socket systems
see page 152

Article	Type	EAN / Comment	Picture
EVoline® Dock BUSINESS Overvoltage protection / interference filter socket unswitched* ON/OFF switch, illuminated, four sockets, switched* sockets 0°, Germany, Austria 2) 3.0 m supply cable, two blank plates for mounting of data and telephone connec- tions at a later stage, aluminium profile cable guidance: from left bottom with two mounting clamps for table tops from 8 to 40 mm thickness			
silver anodised**	930.06.653	4 044657 001061	
black anodised***	930.06.651	4 044657 001078	
without mounting clamps silver anodised**	930.00.033	4 044657 000477	
black anodised***	930.00.031	4 044657 000460	
EVoline® Dock Chrome three sockets 0° Germany, Austria 2) 2.5 m supply cable with mounting set for installation on top of table and slide stops separately enclosed plug			
aluminium profile chromed	930.14.934	4 044657 002709	
EVoline® Dock Chrom DESK DATA three sockets, 0° * Germany, Austria 2) 2.5 m supply cable two modular couplings RJ45:RJ45, 1:1 screened, set for installation on top of tables and slide stops separately enclosed plug			
aluminium profile chromed	930.15.094	4 044657 002716	
Mounting Set for installation on tables			
consisting of: EVoline Dock clips, studs and wingnuts	990.90.382	4 044657 002723	
Mounting Set for installation beneath cupboards			
consisting of: two clips and two wood screws	990.90.383	4 044657 002730	

* Sockets with touch guard

** Stock, deliverable at short notice

*** Deliverable upon request, ask for delivery times

2) Table of international socket systems
see page 152

EVoline® Dock Individual

Simply specify the modules of your choice in the basic profile!
 Thanks to the modular design of the EVoline® Port you may specify individual configurations according to your requirements.







Further information regarding „This is how you order EVoline“ available on page 74

Article	Type	EAN / Comment	Picture
Empty profile EVoline® Dock BLACK black anodised aluminium profile cable guidance: from left bottom to be equipped with modules including 3.0 m supply cable supply cable extension **	 933.05.560 933.01.740	 Empty basic profile only available in combination with modules per metre	
Empty profile EVoline® Dock SILVER silver anodised aluminium profile cable guidance: from left bottom to be equipped with modules including 3.0 m supply cable supply cable extension **	 933.01.810 933.01.740	 Empty basic profile only available in combination with modules per metre	
Empty profile EVoline® Dock STAINLESS STEEL stainless steel color anodised aluminium profile, cable guidance: through left end cap to be equipped with modules including 3.0 m supply cable supply cable extension **	 933.05.540 933.01.740	 Empty basic profile only available in combination with modules per metre	

* Available in country specific versions
 Cable measured from termination in profile.
 *** Deliverable upon request, ask for delivery times

Please note:
 Delivery time for special versions is approx. 4 weeks.

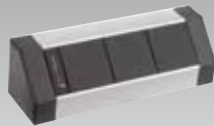
EVoline® V-Dock

Article	Type	EAN / Comment	Picture
EVoline® V-Dock CUISINE three sockets, 0** Germany, Austria 2) supply cable 2.5 m with mounting set for installation beneath cupboards, separately enclosed plug, holes for screwing and fastening at back aluminium profile silver anodised	936.00.013	 4 044657 006660	
EVoline® V-Dock DATA SMALL three sockets, 0** 2) Germany, Austria supply cable 3.0 m two modular couplings for patch cable RJ45:RJ45, 1:1 screened, holes for screwing and fastening at back aluminium profile silver anodised	936.00.023	 4 044657 006677	
EVoline® V-Dock MULTIMEDIA three sockets, 0** Germany, Austria 2) supply cable 3.0 m, two modular couplings for patch cable RJ45:RJ45, 1:1 screened, one VGA 15-pole HDD socket one audio-jack socket 3.5 mm one USB 2.0, Type A socket 3.0 m cable each with plug, holes for screwing and fastening at back aluminium profile silver anodised	936.00.033	 4 044657 006684	

EVoline® V-Dock Individual

Simply specify the modules of your choice in the basic profile!
 Thanks to the modular design of the EVoline® Port you may specify
 individual configurations according to your requirements.

Further information regarding „This is how you order EVoline“ available on page 74



Empty profile EVoline® V-Dock silver anodised aluminium profile to be equipped with modules including 3.0 m supply cable supply cable extension **	933.05.600 933.01.740	Empty basic profile only available in combination with modules per metre	
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* Sockets with touch guard

** Stock, deliverable at short notice

*** Deliverable upon request, ask for delivery times

2) Table of international socket systems
 see page 152

Article	Type	EAN / Comment	Picture
<p>EVoline® T-Dock two sockets, 0** Germany, Austria 2) supply cable 2.5 m for installation on top of tables up to 40 mm thickness, separately packed plug</p>		 930.22.055 4 044657 007063	

2) Table of international socket systems
see page 152



Zertifikat

Auftraggeber: Reichle & De-Massari AG
Binzstrasse 31
CH-8622 Wetzikon / Switzerland

Prüfung: **R&M Kategorie 6, geschirmte RJ45 Buchse**
Art.-Nr.: R302372

Bewertungsstandards: ISO/IEC 11801: 2002-09
Information technology – Generic cabling for customer premises
EN 50173-1
Information technology – Generic cabling systems Part1
IEC 60603-7-5 / Ed. 1.0 (Draft 05.2002): Connectors for electronic equipment – Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for Data transmissions with frequencies up to 250 MHz (Cat 6, shielded)
TIA/EIA-568-B.2-1 (Addendum No.1 to TIA/EIA-568-B.2) - June 2002
Transmission Performance Specifications for 4-Pair 100Ω Category 6 Cabling

Resultat: Der Prüfling hält bei den im Prüfbericht genannten Prüfparametern die Grenzwerte der besagten Vorgabedokumente ein.
Für alle Paarkombinationen wird die interoperable Konformität der RJ45-Buchse nach den Anforderungen der Kategorie 6 bis 250 MHz bescheinigt.
Die bei der Prüfung ermittelten Ergebnisse beziehen sich auf den beschriebenen und vom Auftraggeber vorgelegten Prüfling. Zukünftige technische Änderungen der RJ45-Buchse unterliegen dem Verantwortungsbereich der Hersteller.

Dieses Zertifikat verweist auf den ausführlichen Prüfbericht **PB-Nr. P1063a-03-D** vom **27. Februar 2003** und ist nur in Verbindung mit diesem gültig.

Bexbach, 27. Februar 2003


 Dipl.-Ing. Frank Streibert
(Vorstand)



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GHMT Aktiengesellschaft

MERKBLATT KAT. 6

Gehen Sie auf Nummer Sicher!

Bind Sie überzeugt, dass Ihr Netz echte Kat. 6-Leistung erreicht?

Lassen Sie sich die Leistungsfähigkeit Ihrer Netz-Komponenten biegen, wenn sie in Verkabelungen der Leistungskategorie Kat. 6 investieren. Fragen Sie Ihren Systemlieferanten nach Zertifikaten von unabhängigen Prüf-Instituten. Achten Sie darauf, dass die Produkte uneingeschränkt kompatibel sind, dass sie die Normen wirklich erfüllen und Datenübertragung in höchster Qualität gewährleisten. Nur so sind Ihre Investitionen langfristig geschützt.

Dies sind die entscheidenden Qualitätskriterien für Kat. 6-Produkte:

Interoperabilität

Verlangen Sie Kat. 6-Komponenten, die nach dem De-embedded-Verfahren zertifiziert wurden. De-embedded bedeutet: Das Labor testet den Prüfling im Zusammenspiel mit Komponenten, deren Übertragungseigenschaften gerade am Rande der Zulassung liegen. Eine Anschlussbuchse beispielsweise lässt man mit einer ganzen Reihe von Referenzsteckern, ausgewählt nach gerade noch zulässigen Extremwerten. Wenn die Buchse diese Prüfung besteht, ist sie 100 % kompatibel zu allen anderen echten Kat. 6-Produkten.

Zertifikate über so genannte Channel-Messungen garantieren die Interoperabilität nicht. Denn dieses Verfahren erfasst nur die Eigenschaften einer kompletten Verbindung und nicht die von einzelnen Komponenten. Sie funktionieren Stecker und Anschlussmodule ein und desselben Herstellers test immer miteinander. Ein Zusammenspiel mit Komponenten anderer Hersteller ist damit nicht gesichert.

Rückwärtskompatibilität

Durch das De-embedded-Verfahren ist automatisch sicher gestellt, dass jede zertifizierte Kat. 6-Komponente abwärtskompatibel zu Installationen der Leistungskategorie Kat. 5 (2002) ist.

Normen

Inzwischen sind alle relevanten Normen im Verkabelungsbereich vereinheitlicht. Zertifikate, die noch auf Drafts verweisen, sind also wertlos.

Verlangen Sie auch, dass die Komponenten nicht nach einer, sondern nach allen gültigen Normen geprüft sind.

Achten Sie zugleich auf die Messverfahren. Manche Labors verkürzen die Messreihen, indem sie eine Übertragungseigenschaft nicht mit Maximal- und Minimalwert steuern, sondern mit einem „bequemen“ Mittelwert steuern.

Das Beispiel: Zertifizierung der R&M-Anschlussmodule

Jeweils zwei unabhängige Zertifikate dokumentieren die Prüfung und Leistungsfähigkeit der geschirmten und der ungeschirmten Versionen von Kat. 6-Anschlussmodulen. Die Messungen wurden an zwei akkreditierten Labors durchgeführt: DELTA und GHMT.

DELTA

Akkreditiert vom dänischen Ministerium für Wirtschaft und Industrie. Zertifikate in englischer Sprache.

No. 2003-03 Screened Category 6 Connecting Hardware
De-embedded test method

Product description
Screened Category 6 RJ45 jack

Generic cabling standards, cable standards
+ ISO/IEC 11801:2002
+ EN 50173-1:2002
+ ANSI/TIA/EIA-568-B.2-1

This product has been tested by the EC (European Cabling) group of DELTA and complies with the electrical requirements of the above specified standards. The mated pair requirements are passed using the complete specified de-embedded range of RJ45 plugs.

GHMT

Akkreditiert nach DIN EN ISO/IEC 17025 durch den Deutschen Akkreditierungsrat. Zertifikate in deutscher Sprache.


Nur Zertifikate, die nach dem 27.02.03 datiert sind, beruhen auf einer vollständigen De-embedded-Messung. Andere Zertifikate sind als unvollständig zu betrachten, da nicht alle Kombinationen mit den Referenzsteckern gemessen wurden.

Achten Sie auf den Hinweis „CAT. 6 (IEC)“ im Dreieck des De-embedded-Logo. Dann sind Sie sicher, dass die Messungen vollständig und nach dem neuesten Stand durchgeführt wurden. R&M hat als erstes Unternehmen seine Komponenten bei GHMT auf diese vollständige Art zertifizieren lassen.

R&M

Connecting cabling solutions

März 2003



Attestation of Conformity

ISO/IEC, EN & TIA/EIA Screened
Class E / Category 6
Three Connector Permanent Link

Hyper® Category 6

Hersteller: R&M, Wetzikon / Switzerland, T. 0041 71 91 91 91 91
V. 0041 71 91 91 91 91

Declaration of Conformity: The Manufacturer hereby declares that the product conforms to the requirements of the standards mentioned above and that it is in conformity with the requirements of the standards mentioned above.

Tested by: GHMT AG, Bebbach, Germany
Tested on: 27.02.2003
Tested by: Frank Streibert, Director of Quality Management

Tested by: GHMT AG, Bebbach, Germany
Tested on: 27.02.2003
Tested by: Frank Streibert, Director of Quality Management

Schulte Elektrotechnik uses only officially certified products for data and power supply applications.

Table of Colours

Choice of standard colours
 More RAL colour tones available.



Table of Countries

Which socket is used in which country:

Germany, Austria	France, Belgium, Poland	Great Britain	Switzerland	Denmark	Italy	Australia	USA, Canada	China
Germany Austria Netherlands Italy Portugal Spain Sweden Norwegia Finland Slovenia Afghanistan Andorra Romania Vatican City San Marino Hungary Estonia South Korea Indonesia Iceland Chile Part of El Salvador Bulgaria	France Belgium Poland Monaco Czechia Slovakia numerous former French colonies	United Kingdom of Great Britain and Northern Ireland (exclusive) Ireland (exclusive) Singapore (exclusive) Malaysia (exclusive) Cyprus Malta Gibraltar Botswana Ghana Hong Kong Macau Brunei Oman Kenya Iraq Qatar Parts of El Salvador	Switzerland Liechtenstein Rwanda	Denmark	Italy Countries in Africa Countries in South America South Tyrol Parts of Kenya	Australia New Zealand Papua New Guinea China (partially) Argentina Uruguay Fidji Parts of Japan	USA Canada Mexico North America (USA), Guatemala, Jamaica and Venezuela Dominican Republic Parts of Brazil Parts of Japan	China Israel

Abbildungen 60° Variante

Angaben ohne Gewähr

Terms and abbreviations of fibre optic technology:

SC: worldwide prevalent glass fibre plug, construction according to IEC 60874-14

SC-Duplex: duplex-Version of SC-plug

SC-RJ: compact version of SC duplex-plug with dimensions of a RJ45 bush, construction according to EN 50377-6-1/1-2

MM = Multi Mode: many modes (light signals) transmit the light, fibre: 50/125 µm, standard also 62,5/125 µm, for LAN-applications

SM = Single Mode: only one mode (light signal) transmits the light, fibre: 9/125 µm, for application in case of long distances and high bandwidths

50/125 µm: indication of fibre geometry, core of fibre measures Ø of 50 µm, cover of fibre measures Ø of 125 µm

OM2: category of fibre quality according to EN 50173, standard quality for LAN applications

Duplex: transmission of signals via two fibres / transmission channels

Simplex: transmission of signals via one fibre / transmission channels

Characteristics of EVoline® VGA Cable:

flame resistant
halogenfree

attenuation f (MHz) dB/100 m
 100 14,5

impedance 75Ω

conductor 3 x 0,5mm Ø (Koax)
cross section 1 x 0,4mm Ø (Koax)
 2x3 x 0,08mm Ø (Koax)

bending radius 72 mm

outer diameter 7,3 ± 0,3 mm

length of transmission see supplementary sheet

The EVoline® VGA cable are halogen-free and flame resistant.

Due to the high quality internal structure of fibres the complete VGA mode is transmitted. Three co-axial fibres 75 Ohm transmit the RGV signal without loss (depending on length, refer to table), six steering fibres serve the transmission of DDC mode and hardware detect. The high transmission quality is achieved due to the extremely low attenuation in construction of co-axial fibres, combined with an optimal synchronization factor. Furthermore, the performance of the H-V-Sync. Transmission is excellent.

The EVoline® VGA cables are worth their price.

In the end the quality of the transmitted picture counts most, to execute your presentation on a permanently exemplary level. Please do not be confused by the number of offers. Decide on a high-end product "Made in Germany".

We wish for you to see CLEARLY!

EVoline® VGA Cabel Matrix

Solution	Pixel		Video Refresh Rate (Hz)	Band Width (MHz)	Indication of Signal Transmission in Metres. Transmission of Signal up to							
	(horizontal)	(vertical)			5 m	10 m	15 m	20 m	25 m	50 m	75 m	100m
VGA	640	480	75	35	x	x	x	x	x	x	x	x
VGA	640	480	85	39	x	x	x	x	x	x	x	x
S VGA	800	600	75	54	x	x	x	x	x	x	x	-
S VGA	800	600	85	61	x	x	x	x	x	x	x	-
XGA	1024	768	75	89	x	x	x	x	x	x	x	-
XGA	1024	768	85	100	x	x	x	x	x	x	-	-
XGA	1024	768	100	118	x	x	x	x	x	x	-	-
	1152	864	75	112	x	x	x	x	x	x	-	-
	1152	864	85	127	x	x	x	x	x	x	-	-
	1152	864	100	149	x	x	x	x	x	x	-	-
S XGA	1280	1024	75	148	x	x	x	x	x	-	-	-
S XGA	1280	1024	85	167	x	x	x	x	-	-	-	-
U XGA	1600	1200	75	216	x	x	x	-	-	-	-	-
U XGA	1600	1200	85	2445	x	x	-	-	-	-	-	-

Explanations Regarding Cable Matrix VGA

VGA (Video Graphics Adapter), video graphics standard, at least 640 x 480 pixel.

S VGA (Super Video Graphics Adapter) Super-Video Graphics Standard developed by VESA, the graphics standard, which supports the graphics mode of 640 x 480 pixel with 256 colours up to 1280 x 1024 pixel with at least 16 colours.

XGA (EXtended Graphics Adapter) solution with monitors, displays and digital cameras of 1024 x 768 pixel.

S XGA (Super eXtended Graphics Adapter) solution with digital cameras of 1280 x 960 pixel.

U XGA (Ultra eXtended Graphics Adapter) solution with notebook displays of 1600 x 1200 pixel.

www.schulte.com

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